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REVIEW ARTICLES

1983

Page

Forestry Thesis Summaries (2) 209

Assessment of the Forest Resources of the Tropics
by J.P. Lanly 287

Silviculture in Windy Climates by P.S. Savill 473

Forestry Thesis Summaries (3) 599

Forestry Thesis Summaries (4) 691

Secondary Succession from seed in Tropical Rain Forests
by T.C. Whitmore 767

Forestry abstracts

Volume 44

Contents

ABSTRACTS

1.	General publications and general techniques	5	65	113	155	227	319	389	489	537	631	723	781
	General publications	5	65	113	155	227	319	389	489	537	631	723	781
	Techniques and methodology	6	66	115	157	230	323	392	494	541	633	–	784
	Miscellaneous	–	–	116	–	–	–	–	–	–	–	–	–
2.	General aspects of forestry	7	67	116	157	230	324	392	495	541	634	726	784
	General. Biographies	–	–	–	–	230	324	–	–	541	634	726	–
	Forestry from the national, regional, or international point of view. Forest history	7	67	116	157	230	324	392	495	541	634	726	784
	Legislation	8	68	–	159	233	–	394	496	543	636	728	785
	Taxation. Subsidies, loans, etc.	8	69	–	–	233	325	394	496	543	636	728	785
	Insurance	–	–	–	–	–	–	–	–	–	–	–	785
	Education and research. Information services	8	69	117	159	233	326	394	496	543	636	728	785
	Organizations and publicity	8	69	–	–	234	–	395	–	544	636	728	785
	Labour considerations. Safety. Work study	8	–	117	159	234	326	395	497	544	636	728	785
	Forests as a source of energy	8	69	117	159	234	326	395	497	544	636	728	785
3.	Silviculture	9	70	117	159	234	327	395	497	544	636	728	786
	General	–	70	–	159	234	327	395	–	–	–	728	–
	Choice of species. Trials of species, provenances etc.	9	72	117	159	234	327	395	497	544	636	728	786
	Seed (for propagation)	9	72	117	160	235	329	397	498	545	639	729	787
	Vegetative propagation. Tissue culture	10	73	117	160	236	329	398	499	546	640	729	789
	Use of fertilizers	11	73	117	161	237	330	399	499	547	641	730	790
	Nursery practice	12	74	118	163	238	331	401	500	547	642	731	790
	Establishment and tending of stands	13	74	118	163	239	332	403	501	547	642	732	790
	Silviculture by species and species groups	16	77	120	167	243	335	410	504	552	645	734	795
	Machinery	16	78	120	170	244	336	411	505	554	645	734	796
	Growing and collection of forest products other than wood	16	78	120	170	244	337	412	505	554	645	734	796
4.	Forest mensuration and management	16	79	121	171	245	337	412	506	555	646	734	796
	General	16	79	121	–	–	337	412	506	555	–	734	–
	Systems and units of measurement, including conversion tables. Measuring instruments and apparatus	16	–	121	171	245	–	412	506	555	646	–	796
	Measurements of trees, stands, and round timber	17	81	121	171	246	338	412	506	555	646	734	796
	Growth, increment. Biomass	19	81	121	172	247	339	414	507	556	647	734	798
	Management plans and planning	21	83	121	174	249	342	418	508	558	649	737	800
	Inventory, including sampling methods	21	84	122	174	249	342	418	508	558	649	737	800
	Surveying and mapping. Remote sensing	22	84	122	174	250	343	419	509	559	649	737	800
	Business economics of forestry	22	84	122	175	251	343	420	510	560	650	738	801
	Administration of forest enterprises	22	–	122	176	251	344	420	510	560	650	738	801
	Miscellaneous	–	–	–	–	–	–	–	–	–	650	–	–
5.	Physical environment	22	85	122	176	252	344	420	510	560	650	738	801
	General	22	–	122	176	252	344	420	510	–	650	–	–
	Climate, and atmospheric influences	22	85	122	176	252	344	420	510	560	650	738	801
	Land form. Slope. Aspect. Altitude	23	85	122	177	252	345	421	510	561	650	738	802
	Soil	23	85	122	177	252	345	421	511	561	650	738	803
	Soil water/plant relations	23	86	123	178	253	348	424	512	563	651	739	804
	Soil nutrient relations	24	86	123	178	253	348	425	512	564	652	740	805
	Pollution. Damage by man	25	87	124	179	254	350	428	512	565	652	740	807
	Effect of various growth factors (including silvicultural treatment) on wood properties	29	88	128	180	256	351	431	514	567	654	741	809
	Influence of forest on the physical environment	29	88	128	180	256	351	431	514	568	654	741	809
	Miscellaneous	–	-	-	-	-	352	–	–	–	654	–	809

6.	Fire	30	88	128	180	256	352	432	515	568	655	741	809
	General	–	88	128	180	256	352	432	515	568	–	–	–
	Predisposing factors and causes. Fire-danger rating	30	88	128	180	256	352	432	515	–	655	741	809
	Prevention and control	–	89	128	–	257	352	432	515	568	655	741	809
	Effects of fire	30	89	129	180	258	352	432	516	568	655	741	810
	Miscellaneous	–	–	129	180	–	353	–	–	–	–	–	–
7.	Plant biology	30	89	130	181	258	353	432	516	568	655	742	810
	General	–	89	130	181	258	–	432	516	568	655	742	810
	Silvicultural characters. Habit. Phenology	30	89	131	181	258	353	432	516	568	656	742	810
	Anatomy, morphology	31	90	132	181	258	353	433	516	568	656	742	810
	Chemistry	31	90	132	182	258	354	435	517	569	658	744	811
	Physiology. Biochemistry	32	91	132	183	258	354	436	518	570	658	744	811
	Reproduction	33	91	133	186	260	356	437	518	571	660	746	812
	Taxonomy, nomenclature. Herbaria	33	91	133	187	261	356	437	518	571	660	746	813
	Floras, checklists	34	92	133	187	261	357	437	519	571	660	746	813
	Plant ecology	34	92	133	187	262	357	437	519	571	660	746	813
	Miscellaneous	35	–	–	–	–	–	442	–	–	662	748	–
8.	Genetics and breeding. Variation. Evolution	35	93	135	191	263	359	442	520	574	662	748	815
	General	35	93	135	191	263	359	442	–	574	662	748	815
	Gymnosperms	35	93	136	191	263	359	442	520	574	663	748	815
	Angiosperms	36	93	137	192	264	361	444	520	574	664	749	817
	Miscellaneous	–	–	137	–	–	–	–	–	–	–	–	–
9.	Mycology and pathology	37	94	137	192	265	361	445	520	575	665	750	818
	General	37	–	–	–	–	361	445	520	575	–	750	818
	Fungal ecology	37	94	137	192	265	361	445	520	575	665	–	818
	Mycorrhiza and other (fungal, bacterial etc.) symbioses	37	94	137	192	265	361	445	520	575	665	750	818
	Fungal diseases	40	94	138	193	265	362	447	521	576	665	750	820
	Bacteria	42	96	140	194	–	365	–	523	579	–	–	–
	Virus, mycoplasmas etc.	42	97	–	–	268	–	–	523	579	–	–	–
	Protection and control	42	97	140	194	268	365	449	523	580	668	750	824
	Miscellaneous, including mistletoe	43	97	–	194	–	366	449	524	580	668	–	825
10.	Insects and other invertebrates	43	97	141	194	268	366	450	524	580	668	751	825
	General	43	97	141	–	–	366	450	524	580	–	751	825
	Invertebrate ecology	43	97	141	194	268	366	450	524	580	668	751	825
	Insects	43	97	141	195	269	366	450	524	580	668	751	825
	Mites	–	–	–	–	275	–	456	525	585	674	–	829
	Nematodes	–	103	145	197	275	–	456	525	585	674	–	829
	Other invertebrates	–	–	–	–	–	–	–	526	585	–	–	–
	Protection and control	47	103	145	198	275	374	456	526	585	674	755	829
	Miscellaneous	–	–	–	–	–	–	–	–	–	–	–	–
11.	Range	48	105	146	198	278	377	458	527	587	678	756	833
12.	Game and Wildlife	49	105	146	199	278	378	459	528	587	679	756	835
13.	Fish	–	–	146	–	–	380	460	529	–	680	–	835
14.	Protection forests. Watershed/catchment management. Soil conservation	49	106	146	200	279	380	460	529	588	680	757	835
	General	49	106	146	200	279	380	460	–	588	680	757	835
	Watershed/catchment management. Water conservation. Hydrology	49	106	146	200	279	380	461	529	588	680	758	835
	Soil conservation and erosion	49	106	147	201	280	380	461	529	589	681	758	836
	Shelterbelts. Hedges	50	106	147	201	281	380	462	530	590	682	758	836
	Revegetation and reclamation	50	106	147	201	281	381	462	530	590	682	759	837
	Miscellaneous	–	–	–	–	–	–	463	–	–	–	–	–
15.	Other land use. Nature conservation. Arboriculture	50	106	147	202	281	381	463	530	590	684	759	837
	General	50	106	–	202	281	–	–	–	590	–	–	837
	Land use and land-use policy and planning. Agroforestry	50	106	147	202	281	381	463	530	590	684	759	837
	Nature conservation	51	107	147	203	282	382	464	531	592	685	760	838
	Recreation, tourism, and rural amenity	51	108	148	203	282	382	465	531	592	685	760	838
	Arboriculture, urban amenity	52	108	148	203	282	382	465	532	592	685	760	838
	Miscellaneous	–	–	–	–	–	–	–	–	–	–	–	–
16.	Dendrochronology and dendroclimatology	–	–	148	203	282	382	467	532	593	686	760	839

AUTHOR INDEX ... 841

SUBJECT INDEX ... 871

READERS' GUIDE

1. **Terminology.** Terms included in the *Concise Oxford Dictionary, Chamber's Dictionary of Science and Technology* and the *Terminology of Forest Science, Technology, Practice and Products* are used without explanation. Other terms from particular sciences may also be used without explanation if it is thought that they are familiar to those readers likely to be concerned.

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CGB	Commonwealth Bureau of Plant Breeding and Genetics, Department of Applied Biology, Downing Street, Cambridge CB2 3BX.
CIE	Commonwealth Institute of Entomology, 56 Queen's Gate, London SW7 5JR.
CMI	Commonwealth Mycological Institute, Ferry Lane, Kew, Richmond TW9 3AF.
EMB	Commonwealth Bureau of Horticulture and Plantation Crops, East Malling Research Station, Maidstone, Kent ME19 6BJ.
HSB	Rothamsted Experimental Station, Harpenden, Herts AL5 2JQ.
IPC	Institute of Paper Chemistry, P.O. Box 1039, Appleton, Wisconsin 54911, USA.
NIAE	National Institute of Agricultural Engineering, Silsoe, Bedford, MK45 4HS.
OAEc	Agricultural Economics Research Institute, Dartington House, Little Clarendon Street, Oxford, OX1 2HS.
OBD	Dept. of Botany, South Parks Rd., Oxford, OX1 3RA.
OH	Hope Dept. of Entomology, University Museum, Parks Road, Oxford, OX1 3PW.
ORE	Department of Agriculture, Parks Road, Oxford, OX1 3PF.
ORS	Radcliffe Science Library, South Parks Road, Oxford, OX1 3QP.
OW	ARC Weed Research Organisation, Yarnton, Oxford, OX5 1PF.
OZ	Department of Zoology, Oxford, OX1 3PS.
PR	Building Research Establishment, Princes Risborough Laboratory, Aylesbury, Bucks HP17 9PX.
TRADA	Timber Research and Development Association, Hughenden Valley, High Wycombe, Bucks HP14 4ND.
X	Miscellaneous: apply to Commonwealth Forestry Bureau for details.

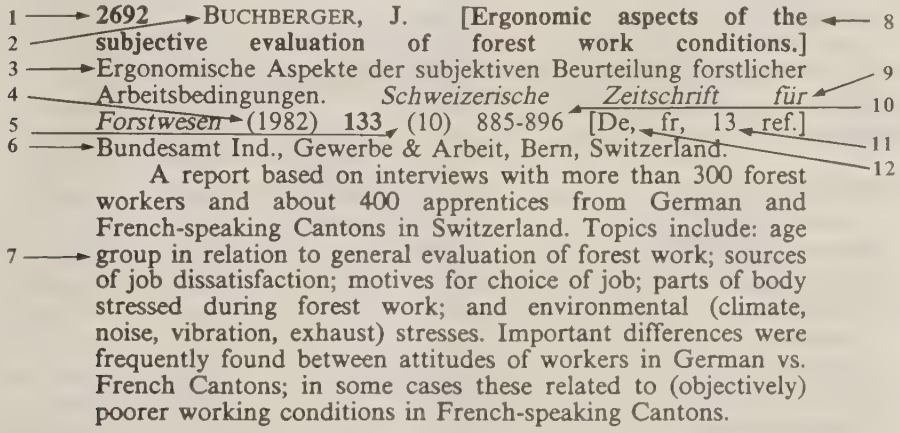
(d) Secondary Journal Source. The following abbreviations are used:

AATA	Art and Archaeology Technical Abstracts
ABIPC	Abstract Bulletin of the Institute of Paper Chemistry
CRRAGA	Countryside Recreation Research Advisory Group Abstracts
LRTA	Leisure, Recreation and Tourism Abstracts
WAERSA	World Agricultural Economics and Rural Sociology Abstracts

(e) Back references. These refer to notices in previous issues and appear in square brackets with an indication of volume and abstract number, e.g. '[see *FA 41*, 3456; *FPA 3*, 1234]'. They are occasionally given for CAB journals other than *FA* and *FPA*. The most common are:

RAE/A	Review of Applied Entomology
PBA	Plant Breeding Abstracts
RPP	Review of Plant Pathology

(f) What an abstract contains.


1 2692 BUCHBERGER, J. [Ergonomic aspects of the subjective evaluation of forest work conditions.] 8
2
3 Ergonomische Aspekte der subjektiven Beurteilung forstlicher 9
4 Arbeitsbedingungen. Schweizerische Zeitschrift für 10
5 Forstwesen (1982) 133 (10) 885-896 [De, fr, 13 ref.] 11
6 Bundesamt Ind., Gewerbe & Arbeit, Bern, Switzerland. 12
A report based on interviews with more than 300 forest workers and about 400 apprentices from German and French-speaking Cantons in Switzerland. Topics include: age
7 group in relation to general evaluation of forest work; sources of job dissatisfaction; motives for choice of job; parts of body stressed during forest work; and environmental (climate, noise, vibration, exhaust) stresses. Important differences were frequently found between attitudes of workers in German vs. French Cantons; in some cases these related to (objectively) poorer working conditions in French-speaking Cantons.

(1)	Abstract number	(8)	English title
(2)	Author	(9)	Journal title
(3)	Foreign title	(10)	Page numbers
(4)	Year of publication	(11)	Supplementary data (can also include a library source as the last item, e.g. BLL)
(5)	Volume, part numbers		
(6)	Author's affiliation		
(7)	Abstract	(12)	Language of text, summary

3. **Abbreviations, units and symbols**. Standard SI symbols are used for metric units; these are not included here. Occasionally, other symbols not listed here are used when it is thought that they will present no difficulty to the readers concerned; this includes many geographical abbreviations such as ACT, UK, PA, etc.

Å	ångström
AAS	atomic absorption spectrometry
ABA	abscisic acid
a.e.	acid equivalent
AFNOR	Association Française de Normalisation
AFOCEL	Association Forêt-Cellulose
a.i.	active ingredient
alt.	altitude
approx.	approximately
ARMEF	Association pour la Rationalisation et la Mécanisation de l'Exploitation Forestière
ASTM	American Society for Testing Materials
atm	(standard) atmosphere
Aug.	August
av.	average
b.a.	basal area
bar	bar
bd ft	board feet
b.h.	breast height
BHC	benzene hexachloride
BOD	biochemical oxygen demand
BP	before present
BS(I)	British Standard(s) (Institution)
Btu	British thermal unit
c.a.i.	current annual increment
cal	calorie
CCA	copper-chrome-arsenic
c.e.c.	cation exchange capacity
Ci	curie
COD	chemical oxygen demand
coeff.	coefficient
COMECON	Council for Mutual Economic Aid
conc.	concentrated
concn.	concentration(s)
const.	constant
CSF	Canadian standard freeness
CSIRO	Commonwealth Scientific and Industrial Research Organization (Australia)
cv.	cultivar
d.b.h.	diameter at breast height
DDT	dichlorodiphenyltrichloroethane
diam.	diameter
DIN	Deutsches Institut für Normung
dil.	dilute
DM	dry matter
DMSO	dimethyl sulphoxide
E.	east
ECE	Economic Commission for Europe
EC	European Communities
EM	electron microscope
e.m.c.	equilibrium moisture content
EPR	electron paramagnetic resonance
equiv.	equivalent
ESR	electron spin resonance
et al	and others
F	filial generation
°F	degree Fahrenheit
FAO	Food and Agriculture Organization
Feb.	February
f.sp.	special form
ft	foot/feet
GA	gibberellic acid
gal	gallon (Imperial or US)
GC	gas chromatography
GOST	Gosudarstvennyĭ Obshchesoyuznyĭ Standart
h	hour
ha	hectare
hp	horse power
ht.	height
IAA	indoleacetic acid
IB	internal bond
IBA	indolebutyric acid
IBP	International Biological Programme
IR	infrared
ISO	International Organization for Standardization
IUFRO	International Union of Forestry Research Organizations
Jan.	January
kgf	kilogramme-force
lat.	latitude
lb	pound (weight)
lbf	pound-force
LC	lethal concentration
LD	lethal dose
long.	longitude
LVL	laminated veneer lumber
M	molar
m.a.i.	mean annual increment
max.	maximum
mbar	millibar
m.c.	moisture content
MDF	medium density fibreboard
min	minute (time)
min.	minimum
ml	millilitre
MMA	methyl methacrylate
MOE	modulus of elasticity
mol	mole
mol.	molecular
MOR	modulus of rupture
N.	north
NAA	naphthyl acetic acid
NE	north-east
NMR	nuclear magnetic resonance
Nov.	November
n.s.d.	no significant difference; not significantly different
NSSC	neutral sulphite semi-chemical
NW	north-west
o.b.	over bark
Oct.	October
OECD	Organization for Economic Cooperation and Development
opt.	optimum
OSB	oriented structural board
oz	ounce
P	probability
p.a.	per annum
p.a.i.	periodic annual increment
PCP	pentachlorophenol
PEG	polyethylene glycol
PF	phenol formaldehyde
p.p.	partly, in part
p.p.m.	parts per million
p.p.t.	parts per thousand
PVA	polyvinyl acetate
PVC	polyvinyl chloride
R	röntgen
r	coefficient of correlation
rad	rad
RF	resorcinol formaldehyde
RH	relative humidity
r.p.m.	revolutions per minute
S.	south
s.d.	standard deviation
SE	south-east
SEM	scanning electron microscope
Sept.	September
sig.	significant(ly)
s.l.	in a broad sense
sol.	solution(s)
sp.	species
sp.nov.	new species
s.s.	in a narrow sense
ssp.	subspecies
SW	south-west
syn.	synonym
t	tonne (not ton)
TCA	trichloroacetic acid
TEM	transmission electron microscope
temp.	temperature(s)
t. & g.	tongued and grooved
TLC	thin-layer chromatography
u.b.	under bark
UF	urea formaldehyde
UHF	ultra high frequency
ULV	ultra low volume
UNDP	United Nations Development Programme
USDA	United States Department of Agriculture
UV	ultraviolet
var.	variety
VHF	very high frequency
viz.	namely
vol.	volume
vs.	versus
W.	west
wk	week
w.p.	wettable powder
wt.	weight
yr	year
3P	probability proportional to prediction
-- ′	minute (angle)
-- ″	second (angle)
∥	parallel
⊥	perpendicular

4. **Vernacular names.** The vernacular names listed below may be used in abstracts instead of the Latin ones. Indexing is by Latin names.

acacia	*Acacia* (see also black wattle)
alder	*Alnus*
ash	*Fraxinus* (generally *F. excelsior* unless otherwise indicated)
Austrian pine	*Pinus nigra* (also Corsican pine)
balsa	*Ochroma pyramidale*
balsam fir	*Abies balsamea*
bamboo	Bambuseae
basswood	(see linden)
beech	*Fagus* (generally *F. sylvatica* unless otherwise indicated)
birch	*Betula* (*B. alba* is used for undifferentiated *B. pendula* and *B. pubescens*)
black spruce	*Picea mariana*
black walnut	*Juglans nigra*
black wattle	*Acacia mearnsii*
broadleaf	Angiospermae (tree; see also hardwood)
cashew	*Anacardium occidentale*
chir	*Pinus roxburghii*
coconut	*Cocos nucifera*
conifer	Coniferae (see also softwood)
Corsican pine	*Pinus nigra* (also Austrian pine)
deodar	*Cedrus deodara*
dipterocarp	Dipterocarpaceae
Douglas fir	*Pseudotsuga menziesii*
eastern hemlock	*Tsuga canadensis*
eastern white pine	*Pinus strobus* (also Weymouth pine)
elm	*Ulmus*
Engelmann spruce	*Picea engelmannii*
eucalypt	*Eucalyptus*
fig	*Ficus*
fir	*Abies* (see also Douglas fir)
hardwood	Angiospermae (timber; see also broadleaf)
hazel	*Corylus avellana*
hem-fir	*Tsuga* + *Abies* (lumber)
hemlock	(see eastern, western hemlock)
hickory	*Carya*
hinoki	*Chamaecyparis obtusa*
holly	*Ilex*
hoop pine	*Araucaria cunninghamii*
hornbeam	*Carpinus betulus*
jack pine	*Pinus banksiana*
juniper	*Juniperus*
kauri	*Agathis* (*A. australis* in New Zealand)
larch	*Larix* (see also tamarack)
linden	*Tilia* (also referred to elsewhere as 'lime' and 'basswood')
loblolly pine	*Pinus taeda* (see also southern pine)
lodgepole pine	*Pinus contorta*
longleaf pine	*Pinus palustris* (see also southern pine)
mango	*Mangifera indica*
maple	*Acer*
maritime pine	*Pinus pinaster*
mulberry	*Morus*
neem	*Azadirachta indica*
Norway spruce	*Picea abies*
oak	*Quercus* (*Q. robur* s.l. is used for undifferentiated *Q. robur* and *Q. petraea*)
palm	Palmae
Parana pine	*Araucaria angustifolia*
pine	*Pinus* (see also hoop pine, Parana pine)
ponderosa pine	*Pinus ponderosa*
poplar	*Populus* (see also yellow poplar)
radiata pine	*Pinus radiata* (also referred to elsewhere as 'Monterey pine')
rattan	*Calamus* and/or *Daemonorops* (mainly)
red oak	*Quercus rubra* (northern red oak of the USA)
robinia	*Robinia pseudoacacia* (also referred to elsewhere as 'false acacia', 'locust' etc.)
rubber	*Hevea brasiliensis* (unless otherwise indicated)
sal	*Shorea robusta*
sandalwood	*Santalum album*
Scots pine	*Pinus sylvestris*
shortleaf pine	*Pinus echinata* (see also southern pine)
silver fir	*Abies alba*
Sitka spruce	*Picea sitchensis*
slash pine	*Pinus elliottii* (see also southern pine)
softwood	Gymnospermae (timber; see also conifer)
southern pine	*Pinus echinata, P. elliottii, P. palustris* and *P. taeda* (indexed as *P.* 'Southern')
spruce	*Picea*
sugar maple	*Acer saccharum*
sugi	*Cryptomeria japonica*
sweetgum	*Liquidambar styraciflua*
tamarack	*Larix laricina*
teak	*Tectona grandis*
walnut	*Juglans regia* (see also black walnut)
Weymouth pine	*Pinus strobus* (also eastern white pine)
white oak	*Quercus alba*
white spruce	*Picea glauca*
western hemlock	*Tsuga heterophylla*
willow	*Salix*
yellow poplar	*Liriodendron tulipifera* (also referred to elsewhere as 'tulip tree')
yew	*Taxus baccata* (other species by Latin names)

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ERRATA

(lines are counted from the beginning of the bibliographic data in each item.)

Volume 34

Page	*Abstract*	*Line*	
99	1101	6	For '*charioralis*' read '*clarioralis*'

Species Index

730	Col. 1		For '*D. charioralis*' read '*D. clarioralis*'

Volume 37

Species Index

759	Col. 2		For '*M*[*onochamus*] *urossovii*' read '*M. urussovi*'

Volume 39

535	5418	5	For '*urossovi*' read '*urussovi*'

Species Index

583	Col. 3		For '*M. urossovi*' read '*M. urussovi*'

Volume 40

150	1435	2	For '*stellata*' read '*posticalis*'

Volume 41

76	882	1	For 'MELANOKHOLIN' read 'MELANKHOLIN'
185	2103	2,11,16	For '*stellata*' read '*posticalis*'
573	6687	1	For 'RUSSEL' read 'RUSSELL'
	6688	1	For 'RUSSEL' read 'RUSSELL'

Author Index

692	Col. 2	For 'Melanokholin' read 'Melankholin'
697	Col. 1	For 'Russel' read 'Russell'

Species Index

706	Col. 1	After '*A*[*cantholyda*] *posticalis*' insert '2103,' Delete '*A. stellata* 2103'
	Col. 3	For '*A*[*ilanthus*] *malabaricum*' read '*A. malabarica*'

Volume 42

50	423	1	For 'RUSSEL' read 'RUSSELL'
424	3881	1	For 'RUSSEL' read 'RUSSELL'
545	4794	1	For 'RUSSEL' read 'RUSSELL'
598	5298	1	For 'RUSSEL' read 'RUSSELL'

Author Index

646	Col. 1	For 'Russel' read 'Russell'

Volume 43

Page	*Abstract*	*Line*	
217	1362	1	For 'MATT' read 'MOTT'
295	2143	7	For 'Eeast' read 'East'
407	3332	1	After 'STAUFFER, M.L.' insert '; LEUNG, K.C.'
594	5070	3	For 'No. 22' read 'No. 2'
723	6125	2	Delete 'the'
761	6136	1	For 'FURONO' read 'FURUNO'
854	7225	1	For 'ANTRY' read 'AUTRY'
856	7254	2	Delete '[*C. pomonae*]'
		5	For '*pomonae*' read '*pomona*'

Author Index

869	Col. 4		Delete 'Antry, G.L. 7225'
870	Col. 1		After 'Autor' insert 'Autry, G.L. 7225'
877	Col. 3		For 'Furono' read 'Furuno'
884	Col. 3		After 'Leube' insert 'Leung, K.C. 3332'
886	Col. 2		Delete 'Matt, R.L. 1362'
887	Col. 3		After 'Mott, R.L.' insert '1362,'

Species Index

905	Col. 3		For '***Catopsilia pomonae***' read '***Catopsilia pomona***'

Volume 44

18	159	1	For 'DEMAERSCHALK, J.D.; OMULE, A.Y.' read 'DEMAERSCHALK, J.P.; OMULE, S.A.Y.'
21	202	1	For 'OMULE, S.A.' read 'OMULE, S.A.Y.'
70	650	10	For '*Grossman*' read '*Grossmann*'
	653	9	For '*Luxmore*' read '*Luxmoore*'
71	656	41	For '*Gathey*' read '*Gathy*'
76	723	1	For 'SPRAGNE' read 'SPRAGUE'
	724	1	For 'SPRAGNE' read 'SPRAGUE'
80	769	32	For '*Sinitsin*' read '*Sinitsyn*'
80	771	19	For 'recreation[sh]ed' read 'recreationshed [defined]'
91	908	1	For 'ZAVITOVSKI' read 'ZAVITKOVSKI'
98	983	1	For 'ANANTHAKRISHRAN' read 'ANANTHAKRISHNAN'
114	1123	3	For 'Jodphur' read 'Jodhpur'
		6	For 'Jodhphur' read 'Jodhpur'
115	1124	2	For 'LAMARCH' read 'LA MARCHE'
122	1203	11	For 'Polonnarawa' read 'Polonnaruwa'
128	1278	4	For '*Ormrod, d.P*' read '*Ormrod, D.P.*'
134	1346	1	For 'GRIFFEN' read 'GRIFFIN'
140	1416	16	For 'deomonstrate' read 'demonstrate'
166	1624	1	For 'POISSONIER, N.' read 'POISSONNIER, M.'
184	1817	3	For '(1)' read '(4)'
230	2070	6	For 'Sydney' read 'Beecroft, 2119'
236	2145	1	For 'HERVÁNDEZ' read 'HERNÁNDEZ'
240	2177	6	For '*Repot*' read '*Report*'
245	2237	3	For 'Suvey' read 'Survey'
262	2436	1	For 'M.J.R.' read 'M.I.R.'
282	2616	7	For 'pattens' read 'patterns'
320	2638	9	For 'Labanon' read 'Lebanon'
335	2787	3	For 'produck tienormen' read 'produktienormen'
339	2828	12	For 'merchanable' read 'merchantable'
340	2845	4	For 'Kumann' read 'Kumaun'
342	2874	3	For 'ISBN 0-662-1215-1' read 'ISBN 0-662-12151-1'
350	2948	20	For '*deodora*' read '*deodara*'
358	3034	9	For 'classificationare' read 'classification are'
360	3057	8	Insert a 'comma' after '13'

ERRATA (Cont'd.)

(lines are counted from the beginning of the bibliographic data in each item.)

Volume 44 (Cont'd.)

Page	*Abstract*	*Line*	
372	3163	1	For 'SICKLE, G.H. VAN' read 'SICKLE, G.A. VAN'
373	3169	1	For '**Scotch**' read '**Scots**'
377	3209	8	For '*gardeneri*' read '*gardneri*'
390	3286	3	For '*Reseach*' read '*Research*'
394	3334	18	For 'imputs' read 'inputs'
398	3372	9	For '*A*' read '*Abies*'
398	3379	1	For 'AHUIA' read 'AHUJA'
399	3389	9	For '*A.*' read '*Acer*'
406	3457	7	For 'Agrica' read 'Africa'
413	3529	11	For 'if' read 'is'
414	3538	7	For 'if' read 'is'
423	3630	6	For 'Australia 4470' read 'Qld. 4470, Australia'
429	3690	6	For 'relectance' read 'reflectance'
444	3852	1	For 'SRINIVASAM' read 'SRINIVASAN'
451	3924	8	For 'coninciding' read 'coinciding'
451	3932	8	For 'is' read 'it'
456	3981	3	For '*Comined*' read '*Combined*'
463	4061	5	For 'Example' read 'Exemple'
510	4344	1	For 'MIYAKI' read 'MIYAKE'
525	4500	6	Delete '[*malabaricum*]'
592	5207	1	For 'LAGEMAN' read 'LAGEMANN'
648	5419	1	For 'SHIRAISHII' read 'SHIRAISHI'
663	5581	1	For 'I.I.' read 'I.N.'
684	5784	9	For '*Chavalas*' read '*Chavelas*'
724	5825	7	For '200' read '2000'
797	6392	1	For '***Symplocus***' read '***Symplocos***'
812	6533	15	For '3.64 t' read '6.34 t'
814	6561	2	For '***Symplocus***' read '***Symplocos***'
817	6589	16	For '*Müller-Stark*' read '*Müller-Starck*'
823	6652	1	For 'HORNVEDT' read 'HORNTVEDT'

AUTHOR INDEX

See under name of country for national organizations.
Abang Naruddin, A. Z. 4706
Abara, J. A. 636
Abbott, D. T. 848
Abd. Kadir, J. 130
Abdul Aziz, M. S. 597
Abdul Manap, A. 602
Abdul Rahman, R. 5003
Abdullaeva, Sh. Yu. 3938
Abdur Rahman 5059
Abe, K. 2658, 6176
Abe, N. 6360
Abe, R. 655
Abe, T. 5754
Abeels, P. F. J. 4284
Abegbeihn, J. O. 3505
Abel, J. 1100
Abell, T. M. B. 171, 4060, 6185
Aber, J. D. 846, 1067, 2325, 3531, 4151
Abernethy, W. 2854, 4808
Abetz, P. 2206, 4751
Abo-Hassan, A. A. 5277
Abohassan, A. A. 5277
Abraham, V. 2420
Abrahamsen, G. 4927
Abrahamson, L. 1001
Abrahamson, L. P. 1006, 1050, 2067, 2171, 2880
Abrazhko, M. A. 5998
Abu Bakar, H. E. 893
Abul-Hajj, Y. J. 455
Acciavatti, R. E. 4499
Acosta Romero, R. 2187
Acsai, J. 4459, 4460
Adachi, K. 2336
Adams, D. 5253
Adams, D. E. 1889
Adams, D. L. 6662
Adams, J. C. 4510
Adams, P. H. W. 5714, 6739
Adams, P. W. 243
Adams, R. E. 1914
Adams, R. P. 6056
Adams, V. D. 3022
Adams, W. T. 1368, 2446
Adamson, J. K. 3618
Adas, M. 4145
Adegbehin, J. O. 815
Adeyoju, S. K. 589
Adhin, D. 110, 3915
Adis, J. 3916
Adkins, C. W. 4388
Adlard, P. G. 5356, 5823
Aduayi, E. A. 4223
Aeberli, B. C. 4254
Africa, SARCCUS Standing Committee for Forestry 3300
Agbede, O. O. 5189
Agee, J. K. 3967
Ager, A. A. 3861
Agerer, R. 5595
Agrasot, P. 1100
Agrawal, B. D. 3976
Agrawal, D. C. 3003
Aguilera Charles, J. M. 4255
Aguinag Ide, I. 2375
Ahlén, I. 4068
Ahlers, S. 3969
Ahlgren, C. E. 3782, 3783, 3784
Ahlstrand, G. M. 1497, 1974
Ahmad, A. 4542
Ahmad, A. M. 5190
Ahmad, S. T. 3979
Ahmad Shakri, M. S. 4717
Ahmad, Z. 330
Ahmed, M. I. 3205
Ahn, Y. J. 5689
Aho, P. E. 2475, 3082
Ahonen, S. 1240
Ahrens, J. F. 726, 727
Ahuja, M. R. 3379
Aiba, Y. 1762, 1763, 1764, 2743, 2932, 6479
Ainscough, G. L. 4315
Ainsworth, K. A. 6488
Aird, K. L. 4657
Ajayi, S. S. 4150
Akachuku, A. E. 652
Akai, T. 101, 368, 1840, 3045, 4767
Akasi, T. 1909, 1910, 6084, 6095
Akatsuka, K. 1738, 2895
Akça, A. 4318
Akers, R. P. 3946
Akhundova, E. S. 2394
Akibayashi, Y. 6192
Akinyemiju, O. A. 2777
Akkermans, A. D. L. 425, 434
Aksenova, N. A. 2894
Al-Hazmi, A. S. 5685
Al-Kawaz, S. S. 1167
Al-Khafaf, R. S. 1199
Al-Kinany, A. 2143, 2729
Alaback, P. B. 3022
Alatorre Rosas, R. 4528
Alauzet, C. 6125
Alazard, P. 1330, 1649, 5311
Alban, D. H. 694, 858, 3541
Alberdi, P. 4428
Albert, P. J. 4496
Albert, R. 2532
Albini, F. 2353
Albini, F. A. 2353
Albore, G. R.d' 4797
Albrecht, J. 593, 5851
Alcock, M. R. 2965
Alcock, S. 6659
Alder, D. 4633
Aldrich, J. W. 4042
Aldrich, R. C. 1204
Aleem, A. 4560
Aleksandrova, L. P. 2998
Alekseev, V. A. 111
Alemdag, I. S. 2842, 2859
Aleong, J. 3944
Alexander, C. J. 4149
Alexander, I. J. 424
Alexander, M. E. 1114, 1310, 3718, 3720, 4144
Alexander, R. R. 711
Alexander, S. A. 716, 6496
Alexandrian, D. 1197, 2369
Alfaro, R. I. 3138, 3947, 5660
Alfenas, A. C. 3907
Alfonso Mendoza, M. 4745
Alford, A. R. 6735
Aliev, Z. A. 5670
Aljaro, M. E. 1423
Allam, M. A. 3180
Allan, G. E. 4845
Allard, J. 2023
Allard, R. W. 1373, 6590
Allaway, W. G. 227, 6622
Allen, A. 3477
Allen, B. 381
Allen, D. C. 635, 636, 3964
Allen, D. J. 2060
Allen, E. K. 2045
Allen, F. 1061
Allen, J. A. 3443
Allen, J. D. 2666
Allen, O. N. 2045
Allen, S. E. 3791
Allison, B. 138
Allison, C. J. 5332
Allison, J. R. 623
Alm, A. 4230
Alm, A. A. 730
Almeda, F. 5548
Almeida, C. M. V. C. de 2462
Almeida, J. M. de 5738
Almendros Martín, G. 2320
Alon, A. 2049
Alphen, J. J. M. van 1420
Alrasjid, H. 1182
Alriksson, B. A. 3511, 4281, 4746
Alscher-Herman, R. 1278
Alstad, D. N. 5638
Altenkirch, W. 2586, 5648
Althaus, I. A. 1295
Althen, F. W. von 1608, 2793, 3419
Altherr, E. 3650
Altmann, D. 4691
Altmann, H. 3545
Altonen, M. 2141
Altrogge, D. 2174
Altshuler, N. 569
Aluko, A. P. 4223
Aluma, J. R. W. 4155
Alvarado, C. 5490, 5491
Alvarenga, S. C. de 2104
Alvares, C. 1
Alvo, M. 3054
Amano, M. 770
Amano, T. 4420
Amaral Machado, S. do 763
Ambasht, R. S. 288, 803
America, W. M. 6528
Amerson, H. V. 2735, 4477, 5070
Amidon, E. L. 1205
Amin, A. 4305
Aminev, P. I. 3102
Aminoff, S. 6251
Aminuddin, H. M. 1596
Amirov, F. A. 6198
Amman, G. D. 1436
Ammer, U. 5953
Amos, D. F. 5775
Amundson, R. G. 1253
Ana Magán, F. J. F. de 2472
Anagnostakis, S. L. 1931
Anandam, A. S. 6456
Anan'ev, P. P. 5978
Ananthakrishnan, T. N. 983, 4108
Andel, S. 2847
Anders, S. 3535
Andersen, L. 832
Andersen, S. 3538, 5744
Anderson, A. B. 3012
Anderson, C. A. 2944, 3677, 6484, 6485
Anderson, D. A. 4113
Anderson, D. R. 1723
Anderson, J. E. 1841, 4976
Anderson, J. F. 991, 3989, 5135
Anderson, J. M. 600
Anderson, L. C. 5546
Anderson, L. M. 6613
Anderson, M. 1281
Anderson, M. L. 2971
Anderson, N. A. 3098
Anderson, P. K. 2398
Anderson, R. C. 1889
Anderson, S. 3632
Anderson, T. D. 314
Anderson, W. R. 5547
Andersson, B. 1821
Andersson, L. 1349
Ando, M. 4928, 4929, 4930
Ando, T. 769, 3438, 3532, 5937
Andrae, F. 3544
André, P. 1627
Andreadis, T. G. 1004, 3989, 5135
Andreev, A. P. 3508, 3509
Andreev, V. N. 1891
Andreeva, I. N. 1378, 3070
Andreoli, C. 6665
Andresen, J. W. 3297
Andrew, I. 2917
Andrews, D. S. 2489
Andrews, M. W. 484
Andryszak, N. A. 2537
Andryushenko, P. F. 4048
Andrzejczyk, A. 3555
Anecksamphant, C. 3289
Anev, V. N. 2379
Angadi, S. B. 4457
Angel Meneses, M. 4205
Angelova, R. 5721
Angst, M. E. 3197
Angus, T. A. 3148
Anikanov, A. T. 6787
Anikeev, E. A. 89
Anjos, N. dos 2531
Annila, E. 1561, 1961, 2544
Antanaitis, V. V. 2050
Antanasov, A. I. 5722
Antczak, A. 4069
Antheunis, N. 6671
Anthony, R. G. 1983
Antibus, R. K. 3073
Antipov, N. I. 231
Antipova, O. V. 6003
Antola, A. 1138
Antonov, G. 3392, 5449
Antonova, G. F. 3764
Antonyuk, E. D. 88, 4953
Antos, J. A. 1895, 2988
Anwar, C. 416
Anziani, M. P. 2058
Aoki, T. 3605
Aoshima, K. 2680
Aoyagi, S. 6095
Appelroth, S. E. 659
Appleby, J. E. 12
Applejohn, M. J. 2623, 3118
Arai, K. 1563, 5870
Arai, M. 2742
Araki, M. 1678, 2310, 5957, 5986
Araki, N. 4966
Arakina, G. A. 3858
Arap-Sang, F. K. 6227
Araya, T. 655, 5766, 5767, 5768
Arbez, M. 1150
Arce de Obieta, C. 2384, 2385
Archambault, L. 459, 5651
Archer, R. R. 873
Arciero, M. 6648
Arefin, V. S. 6135
Ares, J. O. 3702
Arianoutsou-Faraggitaki, M. 1296
Arianoutsou, M. 2854
Arif, B. M. 5690
Ariff, M. 4658
Ariki, S. 216
Arimitsu, K. 651, 5975, 5976
Armitage, F. B. 5592
Armond, P. A. 1818
Armstrong, J. E. 12, 937
Arnason, J. T. 3665, 4885
Arnaud, J. C. 2095
Arnborg, T. 3726
Arner, S. L. 1002
Arno, S. F. 442, 1297, 1773, 3022
Arnold, J. E. M. 761
Arnold, L. E. 794, 812, 3242
Arnold, W. 5005
Arnoldussen, A. H. 129
Aro-Heinilä, V. 1647
Aronsson, A. 606
Arora, G. D. 3359
Arp, P. A. 80, 3254, 4155
Arreola Vazquez, M. C. 4504
Arshad, A. 1073
Arsova, A. 5981
Arsura, E. 5645
Artaloytia, J. de 3470
Arthun, D. 6755
Arthur, L. M. 2060
Artigue, R. 5323
Artsybashev, E. S. 2357, 4144
Artyukhovskiĭ, A. K. 573
Arvanitis, L. G. 779
Arveby, A. S. 947
Arya, R. S. 2738, 3381
Asakawa, S. 4694, 6095
Asay, K. H. 5247
Ascencio C., V. 4503
Ascensão, L. 1332
Ashari, M. 602
Ashby, W. C. 5776
Ashford, A. E. 6622
Ashton, D. H. 588
Ashton, P. S. 596, 1102, 4602
Asina, S. 4473
Askew, G. R. 6076
Aspiazú, C. 2293
Aspinall, D. 2625
Asthalter, K. 2188
Astriab, T. D. 4203
Astrup, M. 3679
Atanasov, A. I. 6152
Aterrado, V. R. 5820, 5821

Athar, M. 1379
Athaya, C. D. 4410
Atilano, R. A. 467
Atkins, P. M. 960
Atkinson, R. G. 1924
Atmer, B. 6526
Atsatt, P. R. 5231
Attia, Y. G. 1391, 1392
Aubertin, G. M. 1999, 2000, 2002
Auchmoody, L. R. 78
Auclair, A. N. D. 3655, 4144
Auclair, D. 2854
Audet, H. 1516
Aulitzky, H. 6183
Aussenac, G. 308, 1317, 1318, 1735
Austarå, Ø. 997
Australia, Australian Forestry Council 141
Australia, Nepal-Australia Forestry Project 6242
Austria, Bundesministerium für Land- und Forstwirtschaft, Forstsektion 2086
Avedaño, V. 512
Averill, B. 4140
Averill, R. D. 1450
Avery, T. E. 2641
Avetisyan, E. A. 6034
Avila González, J. 4206
Avram, C. 4345
Avramchik, M. N. 2368
Awasthi, D. D. 5214
Awaya, H. 5897
Aweto, A. O. 6563, 6564, 6565
Axelrod, M. C. 1269
Axelsson, B. 652, 3291
Ayyar, K. S. 4210
Azhibekov, K. A. 3351
Azimov, T. N. 4516
Azmayesh-Fard, P. 4000
Azmi, M. I. 3979
Baader, E. J. 2574
Baas, P. 6006
Baazov, D. I. 4972
Baba, H. 5746
Baba, K. 533, 2658
Baba, T. 3817
Babel, U. 4894
Babev, I. 2919
Babikov, B. V. 6337
Babkin, V. A. 6027
Babujee, C. R. 983
Baburin, A. A. 3759
Bachasson, B. 1643
Bachmann, P. 2591
Bäck, G. 6288
Backer, M. de 4652, 4654
Backéus, I. 74
Bacon, G. J. 4769
Bacon, P. S. 4259
Bada, S. O. 3798
Badan, R. 1140
Badger, M. R. 1818
Badola, H. K. 4957
Badran, O. A. 1391, 1392
Badshah, K. 4492
Baev, A. 212
Baeyens, L. 4138
Baez C., M. 2326
Bagati, T. N. 221
Baggio, A. 5385
Baginskiĭ, V. F. 147, 5949
Bagley, W. T. 6056
Bagnaresi, U. 1160
Bahadur, K. N. 367, 3016, 3021
Bahrin, T. S. 2022
Bahuguna, S. L. 5001
Bai, K. K. L. 3339
Baijun, G. 4153
Bailey, A. C. 4379
Bailey, A. W. 1507, 2971
Bailey, D. B. 5926
Bailey, K. 4490
Bailey, R. L. 4732, 6326
Baillargeon, G. 3797
Bailly, C. R. 657
Bajrang Singh 5001
Baker, D. 426
Baker, F. A. 487
Baker, G. A. 1296
Baker, H. G. 4397
Baker, J. B. 1225
Baker, R. 503, 3193, 5703, 6115
Baker, R. D. 2877, 6428, 6429, 6436
Baker, R. L. 2871
Baker, W. D. 4692
Bakhshish Singh 2723
Bakke, A. 2570, 3983
Bal, H. S. 4718
Balabekov, Z. A. 6198
Balashov, P. K. 3859
Balasubramaniam, S. 1352, 1353
Balasubramanian, R. 404
Balàzs, A. 6777
Balch, R. E. 3896
Balci, N. 654
Baldwin, E. 2775
Baldwin, H. I. 661
Baldwin, I. T. 6024
Baldwin, V. C. 4303
Balek, J. 654
Balick, M. J. 3012
Balke, K. W. 3545
Ballance, R. H. 3521
Ballard, R. 652, 1156, 2750, 6336
Ballard, R. G. 2482
Balle, S. 3778
Ballington, J. R. 2231
Ballman, G. E. 1092
Balneaves, J. 4736
Balneaves, J. M. 1169, 4737, 4738
Baltensweiler, W. 5648
Bamber, R. K. 4128, 5485, 5504
Bamford, P. W. 2090
Bamford, R. 543, 3234
Baminiwatte, A. N. S. 1203
Banash, S. E. 530
Bando, T. 5291, 6192
Bandyopadhyay, J. 6804
Banerjee, S. P. 2313
Bang, C. 3515
Bangash, S. H. 2152, 2153
Bankes, T. G. H. 4755
Banks, P. 4852
Bannister, M. H. 2720
Bannov, M. G. 3678
Bansal, M. P. 5334
Bao, Z. H. 1568
Baoliang, Z. 5735
Bar-Lev, S. S. 5607
Bará Temes, S. 2316
Barabash, N. D. 903
Barachette, R. 553
Baragaño, J. 3126
Baragaño, J. R. 3127
Baranchikov, Yu. N. 4967
Baranchugov, E. G. 6085
Baranova, M. 5516
Barber, L. R. 2513
Barbero, M. 2973
Barbosa, P. 6689
Barcikowski, A. 5009
Bare, B. B. 16
Bargh, B. J. 5163
Bariska, M. 895
Barker, G. R. 207, 4149
Barker, J. E. 3841
Barker, J. R. 1549
Barker, P. A. 356
Barkhordari, M. 3921
Barkman, J. J. 4988
Barnard, E. L. 5684
Barnéoud, C. 1370, 2646
Barner, J. 271
Barnes, B. V. 919, 3028, 3062
Barnes, D. L. 4006
Barnes, G. C. 6191
Barnes, R. D. 5563
Barnett, P. E. 6598
Barney, R. J. 2612, 4144
Barnhill, M. A. 4568
Barr, C. J. 1484, 2710
Barreau, G. 1657
Barrera, J. 445
Barreto, L. S. 1197
Barrett, J. P. 624, 625, 3581
Barrett, S. W. 1299, 1773
Bärring, U. 116, 119, 121, 1642, 5375
Barringer, K. 6047
Barrio Chavira, J. M. 4682
Barron, R. J. W. 6470
Barron, R. M. 6347
Barros, N. F. de 2157, 5319, 5356, 5415
Barry, G. C. 4085
Bartelheimer, P. 761, 4858
Barth, E. K. 1348
Barth, R. C. 5724
Bartholemew, B. 2684, 3037
Bartle, G. A. 3645
Bartle, J. R. 6470
Bartoli, F. 4151
Bartolucci, L. A. 827
Bartos, D. L. 2068, 2427, 6552
Basavarajaiah, A. B. 3886
Bascur Huck, F. 5993
Basham, J. T. 3471
Bassett, E. N. 460
Bassman, J. H. 343
Basta, F. 675, 5328
Bastian, O. 6106
Bastide, J. G. A. la 4156
Bastien, J. C. 2797
Basuki, T. 2662
Bate, G. C. 3648, 3673, 3827
Bathe, G. M. 4076
Bathgate, J. L. 4996
Battaglene, S. L. 4435
Batzer, H. O. 816
Bauch, J. 4912
Bauer, J. 2181, 2598
Bauer, K. 2078
Baughman, R. G. 2353
Baum, U. 6037
Baumgart, I. L. 4666
Baumgartner, A. 653, 654, 2352, 4871
Baumgartner, D. C. 3721
Baumgartner, D. M. 5253
Baumgras, J. E. 3563
Bäumler, W. 5161
Baur, G. N. 31, 817
Baur, J. R. 2778
Bawa, K. S. 1775, 3061, 4426
Bawden, A. D. 950
Bayfield, N. G. 4076
Bazzalo, M. E. 5045
Bazzaz, F. A. 853, 1861, 3240
B"chvarov, D. 6778
Beadle, C. L. 2822
Beal, R. H. 3121
Beale, M. A. 4482
Beard, T. H. 6662
Beasom, S. L. 6763
Beaubien, J. 1516
Beaulieu, J. 194, 3140
Bebbington, A. D. L. 3671
Bebiya, S. M. 6066
Bech, J. 4354
Bechter, W. 4894
Beck, D. E. 3491
Beck, R. F. 6750
Becker, A. 6524
Becker, M. 1058, 1315, 1317, 1319, 2038, 2633, 4864
Becker, P. 2572
Becking, J. H. 3075, 3878, 5024
Beckjord, P. R. 1914, 5383
Beckman, J. E. 623
Beckmann, R. L. 328
Beckwith, R. C. 989, 2512, 5647
Becwar, M. R. 6277
Bedard, W. D. 6741
Bédeneau, M. 2949
Bedi, S. J. 6372
Bedker, P. J. 1410
Bednarz, R. W. 140
Beebe, T. F. 6333
Beemsterboer, P. 5086
Beer, J. W. 5203
Beers, T. W. 2629
Beese, M. J. 4181
Beese, W. J. 4989
Befort, W. A. 3601
Beg, M. U. 5469
Beimers, C. J. 5793
Beineke, W. F. 3349, 5588
Bekh, I. A. 6264
Belanger, R. P. 1105
Belaya, A. Yu. 3719
Belcher, D. M. 608, 776
Béldi, F. 6227
Beldt, R. van den 4137
Belgium, Section foresterie des pays chaud, Gembloux 6799
Belkina, N. E. 901
Bell, R. A. 1459
Bell, R. H. V. 4006
Bell, T. R. 636
Bella, I. E. 125
Bellefleur, P. 6158
Belles, X. 3204
Bellinger, M. D. 6512
Bellote, A. F. J. 3659
Beloborodov, V. M. 6289
Beltrati, C. M. 4959
Belyakov, P. 6361
Ben-Dov, Y. 3932, 6105
Ben-Porat, M. 5994
Bénassy, C. 6102, 6103
Benčat', F. 5817, 5818
Benecke, P. 6780
Benecke, U. 4624, 4874
Benefield, C. B. 1485
Benenati, J. M. 2537
Bengtson, C. 1229
Benítez, C. 2904
Benjamin, D. M. 516, 2547, 3179, 6695
Bennett, D. 4605
Bennett, G. F. 5706
Bennett, I. J. 5337
Benoit, L. F. 2955
Benoit, P. 1433
Benson, A. D. 6608
Benson, D. M. 4981, 5605
Benson, J. D. 2717
Bentley, W. R. 83
Benz, G. 3197
Beppu, K. 6139
Berbee, J. G. 516, 2494
Berben, J. C. 4138
Beresford, J. D. 6470
Beresford, R. M. 3089
Berg, S. 1165
Bergdahl, D. R. 6660
Bergelin, L. A. 6431
Bergen, B. 6460
Berger, A. 4971
Berger, E. P. 2882
Bergholm, J. 1239
Berglund, B. E. 1348
Berglund, S. 1551
Bergman, F. 656
Bergman, Ö. 1672
Bergmann, F. 2460
Bergmann, J. H. 1625, 5371
Bergstedt, A. 2223
Bergstedt, A. E. 2647
Bergsten, U. 4691
Bergstrand, K. G. 6427
Beri, R. M. 1191, 4210
Berisford, C. W. 528, 1105, 1440, 2513, 2520, 4490
Berisford, Y. C. 592
Berish, C. 1757
Berish, C. W. 2848
Bernadzki, E. 3498
Bernard, J. P. 3797
Bernášek, V. 1991
Berney, J. L. 1140
Bernhard, A. 754
Bernier, B. 5343
Bernier, L. 6654
Bernstein, A. 2200
Beroza, M. 2039
Berry, A. 428, 4155
Berry, C. R. 556
Berry, C. W. 882
Berry, F. H. 3357
Berry, P. M. 6808
Berry, R. J. 2659
Berryman, A. A. 337, 1021, 6646
Bertoni Vega, R. 4681, 5319
Bertucci, B. M. 499
Bervaes, J. C. A. M. 2701
Bessolitsyna, E. P. 5123

Betancourt, J. L. 2703
Bethel, J. S. 601, 821
Betts, R. E. 3207
Beusekom, C. F. van 4988
Beuter, J. H. 213
Bevaart, C. 1143
Bevan, D. 2659, 3963, 4502
Bevan, R. J. 5023
Beveridge, A. E. 5497
Bevins, M. I. 4074
Bey, C. F. 1661, 2190, 5589
Beyerhelm, C. D. 879
Bezuidenhout, J. J. 3624, 3631
Bhadresa, R. 2639
Bharati, S. G. 4457
Bhaskar, V. 403, 4243
Bhat, K. M. 1791, 6008
Bhatnagar, H. P. 5214
Bhatt, D. D. 5814
Bhatt, P. M. 2816
Bhattacharyya, H. T. 2825, 2826
Bhumibhamon, S. 6329
Białobok, S. 1256, 4611
Bibby, J. S. 4059
Bible, T. D. 2863
Bickelhaupt, D. H. 2067, 2173, 4707
Biddle, P. G. 4902
Bider, J. R. 1041
Bidol, P. A. 3284
Biermann, C. J. 3108
Biesterfeldt, R. C. 28
Bigalke, R. C. 6162
Bigg, W. L. 415, 424
Bigger, M. 2500, 5661
Biggin, P. 1171, 4226
Biggs, A. R. 2954
Bijttebier, F. J. 657
Bilan, M. V. 6322, 6578
Bilby, R. E. 1998
Biles, L. E. 5219
Billany, D. J. 6729
Billings, P. M. 2537
Billings, R. F. 1105
Binazzi, A. 2506, 3126
Binder, B. J. 855
Binford, L. R. F. 2115
Bingham, G. E. 1269
Bink, F. A. 2702
Binkley, D. 239, 447, 1854, 2922, 3562
Binkov, P. 5483
Binns, W. O. 3312, 4365
Binzangi, K. 3256
Birchfield, W. 1455
Birchfield, W. B. 4513
Birel, B. 3766
Birks, H. J. B. 3820
Birot, Y. 1556, 2120, 5583
Birowo, A. T. 4658
Birse, E. L. 5008
Biryukov, V. I. 158
Biryukova, Z. P. 1553
Bishop, J. P. 5179
Bishop, S. 4270
Bisht, N. S. 407, 5214
Bisiach, M. 3086
Bismarck, C. von 2224
Bitka, R. 3370, 5331
Bitterlich, W. 765, 3583
Bittig, B. 1530
Bjarnason, Á. H. 20
Bjorkbom, J. C. 4735
Björkman, O. 1818
Black, F. 2885
Blackman, T. 2771
Blackmer, S. D. 1952
Blackmore, I. H. 4049
Blair, L. M. 12
Blair, R. M. 6758
Blais, J. R. 3144, 3145, 3951, 5651
Blais, R. 2355
Blaise, T. 5035
Blake, G. J. 552
Blake, T. J. 1601, 1602
Blakely, A. D. 2361
Blanchard, R. O. 1912
Blanchette, R. A. 451, 484, 1410, 1965, 2479, 3090, 3893
Blanck, J. H. 724, 728
Blanco, O. E. 6216
Blank, R. W. 877, 2263
Blankenhorn, P. R. 41, 3504
Blaschke, H. 4470, 6036
Blaschko, J. R. 6183
Blasco, F. 4607
Blaser, P. 279
Bläsing, D. 4352
Blatchford, O. N. 644, 6743
Blazich, F. A. 2760, 3380
Bledsoe, C. S. 3071, 4811
Bledsoe, S. 6250
Blesa, A. C. 4422
Bleymüller, H. 355
Bleys, J. A. 3443
Blight, M. M. 2566, 3170, 3175
Blinn, C. R. 4806
Bliss, M. J. M. 962
Block, J. 6466
Blok, H. 90
Blom, J. 434
Blonski, K. S. 1202
Bloomberg, W. J. 486, 2474, 2985
Bl"skova, G. 5992, 6506
Blum, B. M. 706, 3427
Blumenthal, E. M. 2557
Boag, B. 5719
Boardman, R. 6237
Bobrinev, V. P. 107, 6323
Bobrov, Yu. A. 2351
Bocock, K. L. 3618
Boddy, L. 3891, 6642
Boden, D. I. 763, 3547
Boehnel, H. J. 3295
Boer, W. M. J. den 5002
Boerboom, J. H. A. 4121, 4608
Boerner, R. E. J. 2972
Boesewinkel, H. J. 6657
Boestomi, S. 780
Bogacheva, I. A. 5678
Bogdanov, B. 5318
Bogdanov, V. M. 5425
Bogdanova, D. A. 5115
Bogdanovskaya, A. U. 6356
Bogenschütz, H. 1432, 2510, 2532, 2546, 2571, 3952, 5648, 6721
Boghout, E. van 4138
Bogle, A. L. 5221
Böhm, W. 6226
Bohn, U. 4080
Böhnert, W. 3829
Boińska, U. 5009
Boissard, P. 3598
Bol, M. M. G. R. 2697
Boland, D. 2411, 2415
Boland, D. J. 4189
Bolla, R. 1453
Bolotov, N. A. 50
Bolotov, S. 3368
Bolstad, P. V. 2974, 3061
Boltneva, L. I. 4370
Bombosch, S. 2568
Bompard, J. 5182
Bondar, P. A. 105
Bondar', V. I. 6463
Bondev, I. 2269
Bondoux, P. 3872
Bonduelle, P. 1180, 2646, 5355
Bonfante-Fasolo, P. 5031
Bonga, J. M. 6302
Bonicel, A. 1823
Bonn, F. J. 1516
Bonneau, M. 1317
Bonnefille, R. 4
Bonnemann, A. 2804, 5851
Bonner, F. T. 4691
Bonner, K. G. 2663
Bonnet-Masimbert, M. 354, 1319, 4693, 4694, 6030
Bonnicksen, T. M. 922
Bonnor, G. M. 2874
Boojh, R. 1780, 3727, 3728, 3793
Boom, B. K. 2643
Booth, D. C. 3172
Bor, N. L. 6211
Borchert, J. 4083
Borchert, R. 891
Borden, J. H. 3991, 6720
Borg, J. 3297
Borges, R. de C. G. 2461
Boring, L. R. 1605
Borough, C. J. 4868
Børset, O. 656
Börtitz, S. 6492
Bortnik, A. M. 5087
Borzan, Ž. 398, 399
Bösch, B. 5005
Bosch, C. 6037
Bosch, J. M. 6781
Bosch, R. van den 2556
Bose, G. 2502, 2503
Boss, A. S. 1464
Bosshard, H. H. 2635
Bosshard, W. 5250
Boström, C. 734, 4765
Boström, C. Å. 1229
Botero, L. S. 2058
Botev, N. I. 5440
Böttcher, P. 2224
Botterweg, P. F. 996, 3171, 6702
Botton, B. 5029
Bouchard, A. 6157
Bouchard, D. C. 6493
Boucher, C. 1362
Bouchon, J. 1320, 2215, 2674, 4306
Boudier, B. 1923, 6667
Boufford, D. E. 1848, 2684, 3037
Bougard, M. 4589
Boullard, B. 2332
Bourgenot, L. 2090
Bourlière, F. 4607
Bouton, J. H. 699
Bovey, R. W. 2778
Bowden, D. C. 3220
Bowen, M. R. 6280, 6281, 6283, 6284
Bowers, J. E. 885
Bowersox, T. W. 41, 3504
Bowes, G. G. 534
Bowes, M. 1096
Boxsem, W. 2700
Boyer, E. P. 2231
Boyer, K. A. 2960
Boyer, W. D. 4809, 6357
Boyle, J. R. 243
Boyne, J. V. 2553
Bozděch, J. 163, 170, 1683
Bozhok, A. A. 6577
Brabänder, H. D. 766, 5211, 6441, 6805
Brachene, A. C. de 5271
Bracher, G. A. 1041
Brack, C. L. 4302
Bradbury, D. E. 1111
Bradbury, R. L. 1009
Bradley, D. 4231
Bradley, D. P. 3344
Bradshaw, A. D. 559, 5764, 5765
Bradshaw, D. B. 3143
Bradshaw, D. K. 5773
Bradshaw, J. W. S. 503, 3193, 6115
Bradshaw, R. H. W. 6557, 6558
Brady, U. E. 528
Brække, F. H. 3463
Braga, J. M. 2157, 5883
Bramble, W. C. 4261
Bramlett, D. L. 2138, 3366, 6579
Bramryd, T. 1237, 4151
Brand, G. J. 193, 607, 2073, 5418
Brander, P. E. 4097
Brandes, H. F. 2348
Brandi, R. M. 2129, 2157, 2182, 2291, 2292
Brandle, J. 6181
Brandon, O. H. 2710
Braniewski, S. 272, 5331, 5473, 5474
Brann, T. B. 4139
Brannland, R. 2951
Branson, F. A. 5455
Brasell, H. M. 4353
Brasier, C. M. 6647
Brasil, M. A. M. 305
Bratawinata, A. A. 218
Bratten, F. W. 1283
Braun, G. 291
Braun, J. M. 1609
Braun, S. 1279, 2508
Brazil, Grupo de Planejamento Estratégico Florestal 5284
Brazil, Sociedade Brasileira de Silvicultura 4626
Bredberg, C. J. 769, 4375
Bredenkamp, B. 3450
Bredenkamp, B. V. 3567, 3570
Breed, M. D. 6100, 6101
Breedlove, D. E. 3272
Breisch, N. L. 6689
Brenac, L. 2240, 2241, 2676
Brennan, E. 297
Brennan, G. 4090
Brenneman, B. B. 1688
Brenneman, R. 1988
Bresnahan, R. G. 1709
Bret, F. 1538, 2637
Brett, D. W. 4593
Brewbaker, J. L. 4137
Brewer, J. W. 5129, 5630
Brewer, R. 4445
Brezonik, P. L. 446
Brichard, C. 4276, 4277
Bridgen, M. R. 395
Bridges, J. R. 519
Bridges, R. J. 3166
Bridgwater, F. E. 3052
Briemle, G. 3799
Brien, J. M. 625
Briggs, E. F. 204
Briggs, J. I., Jr. 1989
Briggs, R. D. 3675
Briggs, S. V. 588
Bright, D. E. 6126
Bringfelt, B. 1219
Bringmark, L. 5250
Brisbin, R. L. 5400
Briscoe, C. B. 5784
Brissette, J. C. 1595
Britton, C. M. 6751
Brockley, R. P. 4909
Brodie, C. D. 1725
Brodie, J. D. 201
Broembsen, S. L. 5892
Brogan, P. 817
Brokaw, N. 1982
Bröker, U. 5953
Brooker, I. 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2416, 2417, 2418, 2419
Brooks, D. J. 629
Brooks, M. B. 1059
Brooks, P. R. 1078, 2101
Brooks, R. O. 5788
Brooks, R. R. 3695
Brooks, T. L. 677
Brookshire, D. S. 2060
Broschat, T. K. 5533
Broshchilova, M. 6035
Brossmann, L. 2184, 2360
Browder, J. A. 2194
Brown, A. H. D. 1365
Brown, A. H. F. 3791, 6215
Brown, B. 1757
Brown, C. L. 1567, 2055
Brown, D. E. 2296, 3034
Brown, E. A. 4490
Brown, F. C. 3238
Brown, I. 5163
Brown, J. K. 2200, 2356
Brown, K. M. 1518
Brown, K. W. 1250, 3709
Brown, L. R. 1419
Brown, M. W. 2563, 6148
Brown, P. C. 137
Brown, R. G. 3596, 5658
Brown, R. J. E. 4144
Brown, R. W. 2068
Brown, S. 5267
Brown, T. C. 1481
Brownell, K. H. 3079
Brozka, R. J. 3242
Bruce, D. 164, 4633
Bruce, J. 817
Bruce, J. P. 4376
Bruchwald, A. 3572
Bruck, R. I. 4981, 6678

Bruen, R. B. 4519
Bruijnzeel, L. A. 2596
Brune, A. 2461, 2462
Brunes, L. 1815, 1816
Brunet, A. M. 1370
Brünig, E. F. 650, 3298, 3314, 4086
Bruno, F. 1803
Bryan, M. B. 4821
Bryan, W. C. 414
Bryant, R. L. 6583
Bryndum, H. 3488
Buch, M. W. von 2089
Buchan, R. 381
Buchberger, J. 2692
Bucher, E. H. 3823
Buchholz, J. 6505
Buchholz, K. 1919
Buchman, R. G. 193, 5411
Buck, L. E. 6294
Buckhart, H. E. 763
Buckley, R. 5628
Buckmire, K. U. 3297
Buckner, E. 2663
Budowski, G. 6188, 6544
Budy, J. D. 5730
Buech, R. R. 816
Buelow, G. P. 5541
Bueren, E. M. L. van 2866
Buffet, M. 1319
Bühler, E. 2091
Buhyoff, G. J. 3261, 4580
Buijtenen, J. P. van 3055, 3087
Buisson, M. 3226
Buksha, N. P. 6071
Bullock, S. H. 1775
Bülow-Olsen, A. 3679
Bültman, E. 5262
Bulycheva, T. M. 6536
Bunce, R. G. H. 1484, 1485, 2636, 2710, 3791
Bunting, A. H. 6230
Bunting, B. T. 6515
Bunting, W. R. 2167, 5874
Burch, P. B. 4740
Burde, J. 771
Burdekin, D. A. 964, 2640, 5246, 6504
Burdett, A. N. 1592, 5352
Burdon, R. D. 3836, 5572
Burg, J. van den 845, 2846, 3400
Burgan, K. 4836
Burger, D. 741
Burger, L. M. 888
Bürgés, G. 3934
Burgess, I. P. 6041
Burgtorf, H. 6308
Burk, J. E. 4286
Burk, T. 5309
Burk, T. E. 2668, 4325, 5945
Burka, I. A. 6788
Burkart, L. F. 6527, 6586
Burke, J. 4520
Burke, J. M. 6738
Burke, R. E. 1046, 1457
Burkhart, H. E. 189, 2641, 3308
Burkot, T. R. 516, 2547
Burks, J. 2200
Burleigh, J. R. 971
Burley, J. 4128, 4252, 4603, 5573
Burnell, D. G. 2512
Burnett, F. 2897
Burnos, N. N. 6396
Burns, W. F. 1333
Burova, L. G. 419
Burrell, G. C. 5732
Burrows, W. H. 588
Burschel, P. 549
Burt, E. C. 4379
Burton, P. J. 2726
Burzynski, G. 1556
Busby, D. G. 5699
Busby, F. 539
Buss, E. P. 1093
Bussche, G. H. von dem 3456, 3457
Bustomi, S. 6389
Butin, H. 2490, 4942
Butler, J. M. 3152
Butler, L. 6648
Butterfield, B. G. 1793, 1794
Büttiker, W. 2503
Buttoud, G. 1532, 1536
Butts, P. M. 834, 4253
Buxton, R. D. 6688
Bychawska, S. 5717, 6153
Byers, J. A. 2543, 3165, 3965, 5663
Bykov, E. N. 3752
Byrne, J. G. 1076
Byrnes, W. R. 1609, 4261
Byron, R. N. 4658
Bytnerowicz, A. 1233
Caballé, G. 370
Caballero Deloya, M. 4323, 5020
Cabaneiro, A. 4394
Cabanettes, A. 1196, 2854
Cabello L., A. 5543
Cadahia, D. 3114
Cahill, D. 452, 5050
Cairns, D. J. 6458
Calabri, G. 2357, 3722
Calamassi, R. 6580
Caldas, L. S. 890
Calderon, S. S. 4726
Caldwell, M. M. 4871
Caldwell, R. S. 5780
Calesta, D. de 658
Cálix, J. 2181
Callaghan, T. V. 2854
Callaham, R. Z. 2109, 4153
Callahan, J. C. 6257, 6806
Callen, G. 1512, 4125
Calmes, M. A. 6573
Calow, W. A. J. 4657
Calver, M. C. 4541
Calvert, G. M. 4852
Calvert, H. E. 430
Calvo de Anta, R. M. 2942
Cam, J. le 5590
Cameron, D. M. 1689, 5348
Cameron, E. A. 2563, 3202, 6148
Camiciottoli, R. 4004
Caminero Bago, M. 5665
Camino V., R. de 1064
Camiré, C. 5343
Cammell, M. E. 3030
Cammerer, A. 4368
Campana, R. J. 1263, 3108, 4377
Campbell, J. J. N. 1871
Campbell, N. A. 4630
Campbell, R. A. 2199
Campbell, R. B., Jr. 2441
Campbell, R. G. 6341
Campbell, R. K. 3838
Campbell, R. W. 989, 990, 995, 6690
Campbell, T. E. 57, 2783
Campbell, W. A. 834
Campinhos, E., Jr. 6595
Campo, J. J. 1059
Campos, J. C. C. 2274, 3567
Campos-López, E. 601
Camps, F. 3204
Canada, Canadian International Development Agency 4570
Canada, Dendron Resource Surveys Ltd. 4333
Canada, ENFOR Secretariat 5803
Canada, Environment Canada 2685
Canada, Petawawa National Forestry Institute 2357
Canada, Poplar Council 1517, 5826
Canavera, D. 665, 666
Canavera, D. S. 676
Candido, J. F. 2140
Canfield, J. E. 5541
Cannell, G. H. 49, 1684
Cannell, M. G. R. 2659, 2898, 3046, 3839, 6215
Cano-Capri, J. 6527
Canutt, P. R. 3480
Cao, Y. H. 1570
Capannesi, G. 1803
Cape, J. N. 1238, 6215
Čapek, M. 1031
Capen, D. E. 2059
Capizzi, A. 5645
Caprez, G. 1108
Carballas, T. 4394
Carbon, B. A. 3645
Carbone, W. 483, 5625
Carcea, F. 769
Cârdido, J. F. 5763
Carew, G. C. 6645
Carey, A. B. 199, 4021
Carey, H. H. 5946
Carey, J. L. 943
Carey, M. L. 2917, 3606
Carey, W. A. 3091
Carl, K. P. 1971
Carleton, T. J. 3780, 4994
Carlquist, S. 329, 2991
Carlson, C. E. 2529
Carlson, K. G. 1857
Carlsson, K. 1733, 3587
Carmean, W. H. 792
Carmichael, R. S. 1354
Carneiro, C. M. R. 3601, 5851
Carnell, R. 2665
Caron, A. 1461
Caron, P. 665
Carothers, J. E. 627
Carpanezzi, A. A. 3658, 5358
Carpenter, E. M. 3344
Carpenter, R. A. 14
Carpenter, S. B. 3559, 4694, 5772, 5774, 5777, 5780
Carpio Camarotti, C. 2187
Carr, A., III 5164
Carrel, J. E. 4436
Carrera Garcia, M. S. 4204
Carrera Garcia, M. V. S. 4215
Carrillo S., A. 4207
Carrillo Sánchez, A. 4206
Carroll, G. 5078
Carroll, J. E. 624, 5234
Carrow, J. R. 3137, 3956
Carter, C. I. 1426, 5094, 6729
Carter, D. A. 440
Carter, K. K. 665, 666, 5300
Carter, M. R. 4893
Carter, P. R. .4868, 6450
Carvalho, R. M. F. de 5501
Casagrande, L. I. T. 5027
Case, A. B. 3152
Case, P. J. 2002
Casey, L. R. 2067
Caskey, W. 3664
Cassells, D. S. 5176
Castillo, J. B. 5356
Castillo, R. A. del 4185
Castresana, L. 3126, 3127
Castri, F. di 1111, 1215
Castro Castañeda, J. 5125
Castro, J. P. C. de 5566
Castro, P. S. e 4029
Catarino, F. 1217, 1332
Catarino, F. M. 1336
Catchpole, E. A. 3716
Catesson, A. M. 6010
Cathey, H. M. 2948
Caufield, C. 2673
Caulfield, S. 3322
Cauvin, B. 5306, 5335
Cavat, C. 1823
Cayford, J. H. 4144
Cecconi, C. A. 2710
Cech, F. C. 2122, 5300
Cecich, R. A. 1560, 5322
Célérier, G. 4245
Cellerino, G. P. 5624
Çepel, N. 5458
Cerezke, H. F. 3922
Cerny, M. 275
César, J. 3824
Cestar, D. 769
Ceulemans, R. 176, 2836
Cha, S. H. 77
Chabrol, R. 1637
Chae, J. S. 289
Chaffin, R. L. 4176, 4177
Chai, D. N. P. 1177
Chai, F. Y. C. 4818
Chaim, S. 867
Chakraborti, S. 3747
Chakravarty, P. 5054
Chakravorty, A. K. 6203
Chalermpongse, A. 6635
Chalk, L. 4603
Challice, J. 4431
Chalupa, V. 3452
Chambers, J. L. 562
Champs, J. de 1742, 1761
Chamshama, S. A. O. 3377
Chan, F. K. 4658
Chan, L. L. 1793, 4958
Chander, G. 771
Chandra, A. 520
Chandrabose, M. 3777
Chandrasekaran, V. 3777
Chandrashekar, M. 4705
Chaney, W. R. 6, 6624
Chang, A. L. 2684
Chang, A. T. C. 4855
Chang, M. 5
Chang, X. L. 1670
Chao, C. 4793
Chaperon, H. 1150, 1905
Chapin, F. S., III 4361
Chapman, D. I. 1468
Chapman, D. J. 6300
Chapman, N. G. 1468
Chapman, R. C. 4303
Chararas, C. 1019, 6706
Chardenon, J. 1722
Chark, K. S. 2999
Charley, J. L. 2936
Charlton, P. M. 2827
Chartier, P. 2664, 2710, 2854
Chase, R. A. 1289
Chater, A. O. 6551
Chattoraj, A. N. 4515
Chaturvedi, A. N. 2721, 2770, 4250
Chaturvedi, J. K. 2770
Chaturvedi, O. P. 2845
Chau, K. C. 4891
Chaudhry, M. I. 1970
Chauhan, K. S. 4789
Chauhan, N. 4416
Chauhan, S. V. S. 4416
Chavasse, C. G. R. 140, 2719, 5177, 5830
Chavelas Pólito, J. 4575, 4778, 4985, 5784
Chávez León, G. 5153
Chawan, D. D. 2931
Chayaba, S. 6095
Chelladurai, V. 1851
Chemikosova, O. A. 3446
Chen, C. M. 136, 3542
Chen, M. H. 1866
Chen, T. L. 1967
Chen, W. L. 1571, 1880
Chen, Z. K. 1834, 1835, 1836
Chen, Z. Y. 5081
Chenery, E. M. 4603
Cheng, H. 4793
Cheng, H. H. 2753, 2754
Cheng, J. D. 1799
Cheng, Z. 2684
Cherepnin, V. L. 5867
Chernenko, Yu. I. 5666
Cherno, N. K. 901
Chernyaeva, G. N. 4414, 4415
Chernyavskiĭ, N. V. 856
Chernykh, Z. I. 2595
Cherrier, J. F. 1654, 1937, 2365
Cheshev, L. S. 2595
Chevis, H. W. 4467
Chevone, B. I. 3682
Chhotani, O. B. 2503
Chiba, I. 3512
Chiba, M. 649
Chiba, O. 6095
Chibisov, G. A. 3482
Chidebelu, A. S. N. 623
Chien, C. Y. 5594
Chien, L. 5081
Chikaarashi, H. 2601, 6169, 6172
China, Chinese Academy of Forestry, Institute of Scientific and Technical Information 1513
China, Shaanxi Province Academy of Agricultural and Forest Sciences, Institute of Forestry 1505

China, 'Terminology of Forest Science and Technology' Translating and Editing Group 6219
Ching, K. K. 3049, 5858, 6041, 6619
Ching, N. P. 139
Ching, T. 6619
Chingaipe, T. M. 5192
Chipoulet, J. M. 4955, 6706
Chisholm, M. D. 3183
Chistjakov, V. I. 4144
Chistyakova, A. A. 2175
Chittenden, J. A. 140
Chiyenda, S. S. 2670
Chkhubianishvili, Ts. A. 6142
Cho, H. D. 4878
Choi, J. C. 148, 160
Choi, K. 557, 558
Choi, S. K. 48, 406
Choi, S. Y. 5143, 5144, 5689
Chon, S. K. 4982
Chong, C. 6298
Chong, H. P. 4792
Chong, L. 3991
Chong, P. F. 838
Chong, P. W. 597
Chooi, B. 648
Chopin, S. 2959
Chopping, N. 5798
Chou, W. C. 4289
Choudhury, J. M. 2704
Chowdry, N. A. R. 4667
Christ, R. 265
Christensen, B. 5382
Christensen, B. T. 3626, 3627
Christensen, J. B. 771
Christensen, L. 193, 2754
Christersson, L. 6445
Christiansen, E. 6652
Christiansen, P. H. 2058
Christie, J. M. 4633
Christodoulakis, N. 1332
Christy, E. J. 2765
Chu, C. 4130, 4793
Chu-Chou, M. 1384, 6607
Chubirko, M. M. 2395
Chudnyĭ, A. V. 916
Chukhina, V. V. 6064
Chumakov, V. V. 6265
Chun, Y. W. 73, 388, 396
Chung, B. K. 5143, 5144
Chung, I. K. 5342
Chung, M. S. 352, 1903
Chuprov, A. N. 6374
Chuprova, N. A. 902, 903, 4413
Churchill, B. P. 5154
Churchill, F. M. 6761
Chwalzcyk, C. 4543
Cichan, M. A. 3749
Ciegler, A. 949
Ciesla, W. M. 2663
Cipra, J. E. 5429
Cisternas, R. E. 3668
Claesson, A. 3172
Clancy, K. M. 3179
Clark, A., III 4154, 4327
Clark, A. L. 6613
Clark, G. C. 6227
Clark, H. 5496, 6554
Clark, J. R. 6297
Clark, K. 5496, 6554
Clark, P. R. 49, 1684, 2737
Clark, R. G. 6751
Clark, T. P. 4546
Clarke, A. L. 592
Clarke, C. A. 1383
Clarke, F. R. 1518
Clarke, L. J. 3154, 6123
Clary, W. P. 3216
Clason, T. R. 3293
Clausen, J. T. 736
Clausen, K. E. 44, 2128, 3365, 5589
Clausnitzer, R. R. 4303
Clawson, M. 613
Clayton, J. L. 864
Cleaves, D. A. 5435
Cleland, D. I. 635, 636
Clément, J. 764, 4326
Clément, J. L. 5636
Clements, H. B. 4388
Clements, R. W. 4291
Cleve, K. van 81, 4907
Cleveland, G. 1211
Clifford, D. R. 6675
Clifford, H. T. 1107
Clifford, W. L. 818
Cline, S. 5621
Cline, S. P. 2939
Cobb, F. W., Jr. 957, 2476, 2478, 2480, 5046, 5053, 5606
Cobbinah, J. R. 1000
Cobos, J. M. 3199
Cochran, P. H. 313
Cochrane, T. T. 1216
Cody, J. B. 2901
Coenenberg, J. G. 2010
Coffman, M. S. 6347
Cogswell, C. 3211
Cohen, G. 5907
Cohen, S. S. 5438
Cohen, Y. 228
Cohn, K. 4114
Colangeli, A. 6593
Colangeli, A. M. 5014
Cole, D. M. 2251
Cole, D. N. 2439, 2618
Cole, D. W. 653, 4242, 6490
Cole, E. A. 652
Cole, G. L. 4581
Cole, L. 2031
Cole, M. M. 3826
Cole, T. J. 4103, 5223
Cole, W. E. 2482
Coleman, D. C. 5034
Coleman, J. S. 4377
Coles, J. F. 3354
Coll, J. 3204
Collard, E. B. 6333
Colley, R. L. 5504
Collins, M. 5676
Colodette, J. L. 2349
Colombo, S. J. 341
Colpi, C. 1475
Coltharp, G. B. 2004
Combe, J. 2014, 2098
Combes, F. 2006
Comerford, N. B. 82, 237, 238, 1224, 2173
Commission of the European Communities 5289
Commonwealth Regional Renewable Energy Resources Information System 4189
Compte Sart, A. 5665
Comtois, P. 6057
Conard, S. G. 4722
Concannon, D. M. 2663
Condé, A. R. 2140, 2293
Conde, L. F. 2267, 3461
Condrell, W. K. 5831
Congdon, R. A. 5486
Conkle, M. T. 1131, 1372
Conklin, J. B. 5831
Connell, J. H. 4005
Conner, R. N. 4024
Connor, E. F. 5101
Conover, C. A. 697
Contini, L. 6209
Conto, L. 829
Contri, M. 3247
Convery, F. J. 1120, 4622
Conway, K. E. 5039
Cook, S. A. 2817
Cooke, B. D. 4539
Cooley, J. H. 1581
Coomans de Brachene, A. 5271
Coombs, J. 2853
Cooney, T. M. 2886, 4863
Cooper, C. F. 1247
Cooper, J. I. 6230
Cooper, J. M. 5757, 5948
Cooper, R. F. 142
Copes, D. L. 6074
Copland, A. J. 4737
Coppel, H. C. 1458, 2559
Coppin, P. 3500
Coppolino, J. B. 264
Corbasson, M. 657
Corcoran, T. 4155
Cordell, C. E. 2172
Cordell, H. K. 4490
Corey, R. B. 5593
Cormary, Y. 1659
Cormier, P. L. 4585
Corneil, J. A. 12
Cornelius, P. L. 2159
Cornell, B. 5122
Cornish, P. 653, 654
Cornu, D. 1319
Corona, E. 5225, 5802
Corral, L. 2904, 2912
Correa Lobato, R. 5319
Correia, O. A. 1336
Correll, R. L. 6237
Cortner, H. J. 770
Cosijn, R. 3258, 4988
Cost, N. D. 2192
Costabal, R. 632
Coster, J. E. 1105, 2535
Cotrufo, C. 6461
Cotter, H. Van T. 1912
Cotterill, P. P. 6237
Cotton, M. H. 6542
Coulson, R. N. 1014, 1105, 3162
Countryman, D. W. 564, 6204
Courrier, G. 2210
Courtois, H. 2341
Coutinho, L. M. 883, 3723
Couto, E. A. 5738
Couto, H. T. Z. do 3522
Couto, L. 3907
Coutts, M. P. 2659, 4403, 4900, 4904, 6471, 6474
Covassi, M. 2506
Cover, J. D. 1014
Covington, W. W. 1743
Cowles, J. R. 4823
Cowling, E. B. 1265, 2107
Cown, D. J. 2961
Cox, G. S. 1915, 3760, 4380
Cox, J. R. 4567
Cox, T. R. 4145
Coxwell, R. A. G. 5084
Coyle, B. F. 3865
Craig, F. G. 651
Craig, G. B., Jr. 3975
Craigdallie, D. 2823
Cram, W. H. 1153, 2727, 5577
Crane, W. J. B. 651, 652, 1772, 4710, 4914
Craton, D. W. 3341
Craver, G. C. 2192
Crawford, H. S. 4533
Crawford, R. M. M. 1510
Crawley, M. J. 5676
Cremer, K. W. 4868, 6449, 6450
Cresswell, C. F. 3765, 3827
Crête, M. 1055
Crişan, A. 5060
Crisi, B. M. 5451
Crisp, C. E. 4529
Crisp, J. E. 4426
Cristofolini, F. 1161
Critchfield, W. B. 3041
Crocker, R. L. 5146
Crocker, T. D. 2060
Crockett, B. R. 5793
Cromack, K., Jr. 437, 1744, 2469, 2922, 2937
Cromell, W. H. 667, 4468
Cromer, R. N. 3409
Cronan, C. S. 4911
Cros, E. T. du 1112, 1319, 1322
Cross, E. A. 5773
Cross, J. R. 5792
Cross, J. V. 6149
Crossley, D. A., Jr. 848, 1744, 1939
Crouch, G. L. 1610, 6318
Crow, T. R. 702
Crowe, P. M. 817
Crowe, T. M. 2433
Crowley, L. R. F. 1871
Crowther, J. 4553
Csollak, H. P. 757
Cuadrado, S. 2905, 2920
Cuba, Plan Sierra del Rosario 4122
Cubanski, M. 727
Cubbage, F. W. 634
Cudworth, K. R. 4222
Cuevas, E. 6455
Cuevas, P. 3204
Cuevas Rangel, R. A. 4454, 4455
Cui, K. M. 1670
Cumbie, B. G. 6005
Cumming, D. G. 6179
Cumming, D. H. M. 4006
Cummins, R. P. 4547
Cunia, T. 204, 606, 609, 610
Cunningham, J. C. 5701, 5702, 6738
Cunningham, M. 4568
Cunningham, P. A. 5694
Cunningham, T. M. 4625
Cunningham, T. R. 4694
Curran, P. J. 1724
Currie, F. A. 543, 3234
Currier, J. B. 3707
Curtis, R. O. 802
Cwielong, P. 4488, 4489
Czapla, J. 3403
Czapowskyj, M. M. 3675
Czarnecki, A. 4895
Czechoslovakia, Výzkumný Ústav pro Zúrodnění Zemědělských Půd 595
Dabral, B. G. 6523
Dadwal, V. S. 344, 3889
Dagenbach, H. 4229, 5297
Daget, P. 1511
Daging, E. M. 4712
Dahl, B. E. 5500
Dahlgren, R. M. T. 1107
Dahlsten, D. L. 1260, 4001
Dai, S. F. 4565
Daifuku, H. 6196
Dainty, A. L. 6046
Daiya, K. S. 2931
Dakessian, S. 4561
Dakev, T. 6475
Dakin, A. J. 2795
Dale, J. M. 3695
Dale, M. B. 658
Dale, M. E. 3560
Damas, C. de 4334
Damas, de 4334
Dan, J. 2125, 5964
Danchenko, A. M. 4599
Danchenko, O. I. 230
Danfors, B. 5374, 6354
Dang, P. T. 4498
Dang, X. 2564
Daniel, M. A. 5829
Daniel, T. C. 2060, 3261
Daniels, R. E. 5774
Daniels, W. L. 5775
Danin, A. 6059
Dankerl, J. 6167
Danzer, H. J. 5262
Danzer, K. H. 5262
Dao, T. 2753
Dao, T. H. 2754
Dargavel, J. 4669
Dargavel, J. B. 140, 141
Darling, D. C. 1949
Darman, Yu. A. 6769
Darr, D. R. 4658
Darveau, M. 6158
Darvesh, S. 3186
Das, A. K. 5116
Das, B. K. 4984
Das, B. L. 5857
Das, M. C. 2704
Das, R. R. 379
Das, S. C. 5390
Das, S. R. 3803
Daske, D. 1548
Dass, B. L. 2770
Dassanayake, M. D. 6208
Dässler, H. G. 2338, 6492
Daterman, G. E. 1036, 6731, 6749
Dathe, W. 5537
D'Aulerio, A. Z. 483, 5625
Daulta, B. S. 4789
Davey, C. B. 2170
David, A. 1575, 1577
David, H. 1577
David, M. 1336
David, M. B. 3389, 3391
David, R. 4704

Davidenko, L. K. 5716
Davidov, G. M. 146
Davidson, A. G. 6096
Davidson, J. 4110
Davidson, W. H. 2122
Davies, E. J. M. 219
Davies, F. T., Jr. 1920
Davies, N. 633
Davies, T. D. 3729
Davis, A. M. 2576
Davis, C. N. 3904
Davis, D. D. 264, 2954
Davis, D. H. 1297
Davis, E. A. 5598
Davis, G. G. 2020
Davis, J. B. 1283
Davis, J. E. 4545
Davis, J. N. 537
Davis, J. R. 4548
Davis, K. M. 1305
Davis, M. 1366
Davis, M. L. 1376
Davis, M. R. 4624
Davis, P. E. 4545
Davis, S. M. 827
Davison, E. M. 966
Davletova, F. B. 6516
Davudov, A. M. 335
Davydova, N. I. 5339, 5582
Dawe, G. F. M. 3962
Dawkins, R. D. H. 961
Dawley, K. 946
Dawson, A. F. 3596, 5658
Dawson, D. 1056
Dawson, J. O. 3069
Dawson, P. 948
Day, F. P., Jr. 847, 4890
Day, R. D., Jr. 2624
Dayal, R. 2751, 3754, 4417
Dayao, B. M. 5819
Deacon, K. G. 139
Deadman, M. W. 139
Dean, K. G. 1718
Dean, T. J. 3760
Dean, W. 4145
Deans, J. D. 2975, 3649, 3652, 4897
Deb, D. B. 2228, 2229, 2232, 2237, 2238
DeBald, P. S. 836, 4499
DeBano, L. F. 1212
DeBarr, G. L. 2513, 3994
Debazac, E. F. 5290
Decei, I. 4154
Dechamps, R. 3732, 3733
Décourt, N. 1323
Defelipo, B. V. 2157
DeGraaf, R. M. 2579, 2661
DeGraeve, G. M. 4028
Deherve, L. 6227
Delabraze, F. 2355
Delatour, C. 4693
Delaunay, A. 1721
Delcourt, H. R. 1540
Delcourt, P. A. 1540
Delecour, F. 6487
Deleporte, P. 5354
Deligne, J. 3959
Delitti, W. B. C. 2327, 2328, 2329
Dell, T. R. 6579
Della-Bianca, L. 3574, 4743
Dellavalle Fedi, I. 4476
Delmas, J. 3520, 3870
Delord, J. M. 1706
Delplanque, A. 6713
DeLucca, A. J. 949
Delucchi, V. 497
Delvaux, J. 3492, 5376
Delwaulle, J. C. 1617, 2217, 4458
Delwiche, C. C. 437, 6625
Demaerschalk, J. P. 159, 1193
Demakov, Yu. P. 6707
DeMars, C. J. 2480
Demchenko, I. P. 4037
Demers, D. 194
Demounem, R. 6472
Deneke, F. J. 3654, 5244
Deng, D. L. 493, 974
Deng, X. K. 106
Denison, W. C. 441
Denninger, W. 756, 757, 1183
Dennis, D. F. 6244
Dennis, N. 2018, 4316
Deol, G. S. 4221
Depuit, E. J. 2010
D'Ercole, N. 4479
Derebanova, P. 3685, 5466
Derevyanko, N. M. 4665
Derome, J. R. M. 1586, 2149
Deryuzhkin, R. I. 335, 391, 913
Desai, S. A. 1927
Desaulniers, R. 3157
DesBordes, W. K. 5575
Deschamps, A. M. 3107
Descoins, C. 6116
DeSelm, H. R. 1886, 1888
Desjeunes, J. M. 1735
Destremau, D. X. 5311
Detienne, P. 2990
Deusen, P. C. van 190, 775
Deusen, P. van 775
Deva, S. 5001
Devan, J. S. 189
Devar, K. V. 4409
Devdariani, Ts. G. 3266, 5687
Devy-Vareta, N. 3323
DeWalle, D. R. 4343, 4384
DeWitt, J. 5874
Dexheimer, C. M. J. 6620
Dexheimer, W. 3447
Dexter, B. 381
Deyrup, M. 1957
Dhanarajan, G. 619
Dhaundiyal, U. D. 2723
Dhingra, R. K. 4416
Dhir, K. K. 2999
Diamantoglou, S. 1332, 1340
Dianis, S. D. 2487
Diaz-Fierros, F. 2942
Diaz-Fierros V., F. 4394
Diaz, L. F. 5813
Dick, M. 5619
Dicke, S. G. 6596
Dickey, R. D. 697
Dickinson, D. J. 2662
Dickinson, R. E. 569
Dickinson, S. 3412
Dickison, R. B. B. 6697
Dickmann, D. I. 343, 1595, 1658, 2777, 5296
Dickson, J. G. 4024
Dierberg, F. E. 446
Dierich, H. 6248
Dieterich, J. H. 1127, 1498, 5495
Dietrich, A. B. 5450
Dietrichson, J. 4689, 5013, 5583
Dietz, F. 2113
Dietz, P. 2204
Digernes, T. H. 4613
Diggle, P. 4639
Dighton, J. 3874, 4360, 6215
Dijk, C. van 429
Dijk, K. van 2364
DiLabio, R. N. W. 2913
Dimitri, L. 2224, 2573, 4372, 6634
Dimitrov, E. P. 6444
Dimitrov, E. T. 6384, 6410
Dimock, E. J., II 6333
Dimond, J. B. 889, 1024
Dinechin, B. D. de 2074
Diner, A. M. 464, 2485, 2486
Ding, Z. 4793
Dingethal, F. J. 1072
Dionello, S. B. 675, 5328
Dirr, M. A. 6299
Dirzo, R. 5089
Dissescu, R. 4154
Diwani, S. 5077
Dix, B. 2710
Dix, M. E. 3986
Dixon, A. F. G. 492
Dixon, W. N. 1008, 1023, 1024, 1427, 1435, 2533, 5639
Djafar, M. I. 1054
Djokosudardjo, S. 416
Djurbabić, B. 399
D'Mello, J. P. F. 1187
Dmitrienko, V. K. 4586
Dmitriev, S. V. 1665
Dmuchowski, W. 1233
Dnyansagar, V. R. 3375
Dobesberger, E. J. 184
Dobhal, N. P. 1191
Dobhal, P. C. 4210
Dobias, J. 4155
Dobzhansky, T. 4602
Dochinger, L. S. 1265, 2955
Doerr, T. B. 3038
Dogra, P. D. 2444
Dohmen, H. 2126
Dohrenbusch, D. 4826
Doi, I. 3026
Dolan, A. G. 4337, 4338, 5236, 5237
Doley, D. 6
Dolgilevich, M. I. 4046
Dolgodvorova, S. Ya. 4415
Dollard, G. J. 282
Domański, S. 5056
Domir, S. C. 92
Domnick, H. 1545
Don, R. T. 1081
Donald, D. G. M. 5892, 5905, 5935, 6195
Donaldson, D. R. 2841
Donaldson, L. A. 1328
Donaubauer, E. 268, 1248, 5839
Dongelmans, L. 2599
Donley, D. E. 1956
Donnelly, D. M. X. 6639
Donoso Z., C. 5543
Donselman, H. M. 940, 5533
Doolittle, W. T. 822
Doorn, J. van 3918
Doran, J. 2416, 2417, 2418
Doran, J. C. 6276, 6293
Dorer, B. 2287
Dorff, R. 2126
Dorlanne, M. D. 2079
Dormling, I. 6591
Dorozhkin, N. A. 462
Dorset, R. D. 6664
Dorworth, C. E. 3904, 4475
Dostine, P. L. 4435
Dot, P. H. 6184
Dottavio, C. L. 3589
Doty, J. C. 5888
Doucet, R. 5832, 5918
Douds, D. D., Jr. 6624
Dougall, T. 2588
Douglas, A. W. 3054
Douglas, H. A. 4059
Douglas, J. J. 5232
Douglas, T. J. 1000
Douglass, J. E. 2202, 4740, 4946
Douglass, R. W. 1506
Dourojeanni, M. J. 2058
Doutreloux, J. 1996
Dove, M. R. 5180
Downing, P. 2710
Downs, R. J. 3377
Doyle, P. 5703
Dragsted, J. 4355, 4356
Draheim, J. 5845
Dransfield, J. 596, 760
Dransfield, S. 6045
Drawe, D. L. 3230
Dreschler, E. S. 637
Dressel, A. T. 2200
Dreyer, W. 2518
Drielsma, J. H. 4187
Driessche, R. van den 2168, 3411
Drinić, P. 769
Driscol, R. S. 4149
Driscoll, R. 4901
Driver, B. L. 771, 2060
Drolet, B. 1516
Drooz, A. T. 5709
Dropkin, V. 1453
Dropkin, V. H. 1964
Drössler, S. 2773
Drouin, J. A. 4498
Druzhinin, N. A. 6338
Du, N. Q. 1862, 1863, 1864, 1866
Du, T. Y. 1943
Du, X. M. 1846
Dua, I. S. 2999
Dubé, D. E. 4144
Dubey, P. 1805
Dubkin, M. S. 901
Dubois, J. M. 1370, 1371, 1906, 2646
Dubois, N. R. 3989, 5135
Dubreuil, M. A. 4917
Ducatillion, C. 5182
Ducauze, C. 1019
Ducreux, P. 1322
Duddridge, J. 2470
Dudek, A. 3572
Dudley, S. H. 2782
Dudley, T. R. 2684
Dudzińska, T. 3572
Duerr, W. A. 5831
Duffield, R. M. 5707
Duhme, F. 6
Duinker, P. N. 2837
Duke, J. A. 2044
Dumant, M. J. 1578, 1624, 1659
Dumas, M. T. 952
Dummel, K. 744
Dunberg, A. 1821
Duncan, H. J. 934
Duncan, R. W. 3155, 3156
Dundir, Y. P. S. 3915
Dunlap, J. M. 4768
Dunn, B. A. 4175, 4181, 4587
Dunn, C. P. 1884
Dunn, G. A. 6717
Dunn, J. J. 949
Dunsworth, B. G. 183, 3304
Duplat, P. 5809
Duroure, R. 4662
Durso, S. L. 3975
D'Urso, V. 6104
Duryea, M. L. 2759
Dutt, A. K. 2420
Dutta, T. R. 3221
Duvigneaud, P. 4276, 4277
Dvorak, W. S. 5784
Dwiprabowo, H. 648
Dwivedi, B. N. 2770
Dwivedi, S. 4515
Dwyer, J. F. 637, 1096
Dyakov, T. 5835
Dye, D. W. 475
Dye, E. J. 1205
Dye, P. J. 4348
Dyke, C. G. van 4477, 5070
Dyrenkov, S. A. 1908, 2849
Dziadowiec, H. 4896
Eberhardt, E. 656
Ebert, T. A. 5564
Ebisawa, H. 5224
Ebisu, N. 653
Echelberger, H. E. 4582
Eckel, H. W. 2183
Eckert, R. T. 293
Eckhart, G. 5839
Eckmüllner, O. 2092, 3275, 5839
Eckstein, D. 4381, 4926
Economic Commission for Europe 4169, 4632
Ecroyd, C. E. 5498
Eden, M. J. 1086
Edén, P. 6259
Eder, W. 764
Edminster, C. B. 711, 1445
Edmonds, R. L. 945, 6508
Edmunds, G. F., Jr. 5638
Edwards, D. G. W. 4692, 4694, 6278, 6290
Edwards, I. D. 572
Edwards, J. C. 3193
Edwards, J. L. 4212
Edwards, P. B. 5662
Edwards, P. J. 4362, 4363, 4364
Edwards, P. N. 4633
Edwards, W. R. N. 229, 1817
Effendi, R. E. 3938
Efimov, J. P. 52
Efimov, Yu. P. 52, 391, 6289
Efremov, S. P. 6022
Eggen, D. A. 1006, 1050
Egger, J. 2088
Egginton, P. A. 2913
Egido Rodriguez, J. A. 4349
Eglite, A. K. 5372
Ehrenberg, C. 928

Ehrenfeld, J. G. 5000
Ehrenreich, J. H. 5279
Ehrmann, J. R. 3284
Eiberle, K. 2112, 2591
Eichenberger, J. K. 1868
Eichenlaub, W. M. 3705
Eichhorn, O. 1027
Eid, J. 766
Eidt, D. C. 5698
Eijsackers, H. J. D. 2702
Einspahr, D. W. 5304
Eis, S. 2823
Eisenbeiss, G. 6810
Eisenhauer, G. 4668, 5262
Eisenman, E. 1479
Eisikowitch, D. 3362
Eissenstat, D. M. 4987, 6752
Eiten, G. 3822
Ek, A. R. 2668, 4325, 4633, 4806, 5309
Ek, M. 6614
Ekanayake, D. T. 1190
Ekberg, I. 6077, 6589
Ekbohm, G. 6460
Eke, I. 3934
Ekuan, G. 4047
El-Fawaris, A. H. 3704
El-Kassaby, Y. A. 3051
El-Lakany, M. H. 1391, 1392
El-Sebay, Y. 3161, 3173, 3174
El-Siddig, E. A. 2829
Elagin, I. N. 6531
Elder, J. F. 6458
Elder, T. J. 6586
Eldridge, K. G. 1149, 4697
Elfving, B. 6321
Elias, T. S. 1503
Elkiey, T. 247
Elkinton, J. S. 5641
Ellatifi, M. 3585
Ellefson, P. V. 621, 622, 634, 1065, 1543, 6245
Ellenberg, H. 3787, 4993
Elliott, D. A. 137, 138, 4752
Elliott, D. M. 4695
Elliott, G. K. 5841
Ellis, E. L. 1793
Ellis, J. C. 142
Ellis, R. P. 2403
Elliston, J. E. 968
Elner, J. K. 1226
Elovirta, P. 1117
Elsiddig, E. A. 168
Elwood, J. W. 1997
Emerich, D. W. 436
Emerson, W. W. 4880
Emino, E. R. 6305
Enabor, E. E. 614, 5205
Encke, B. G. 6193
Enda, N. 1958
Endo, J. 4555
Endo, T. 6170, 6175, 6176
Endom, H. 2298
Endom, W. 2298
Endtmann, K. J. 5268
Engert, G. 2582
Engle, L. G. 814
English, H. E. 4623
English, J. A. 5876
English, M. J. 2390
Enivaara, A. 570
Ennis, T. J. 5690, 6747
Enright, N. J. 225
Ensminger, D. I. 2533
Entin, L. I. 6744
Entwistle, P. F. 5714, 6739
Epps, G. A. van 1549
Epps, G. van 6757
Epstein, J. 5829
Erdle, T. A. 4155
Erdmann, G. G. 3657
Eremin, V. M. 2370, 3734
Erickson, D. L. 3567
Eriksson, G. 4688, 6077, 6591
Eriksson, J. 1239
Eriksson, L. 2072
Eriksson, S. 6254
Erkinjuntti, R. 1240, 1245, 2334
Ermachenkov, M. V. 5425
Ermakov, E. A. 573
Ermolenko, L. G. 1746
Ermolenko, P. M. 1746
Ermolova, L. S. 6446
Ernst, W. 3696
Erp, C. H. J. van 3105
Errico, D. 4840
Escalante, G. 3664
Escárpita Herrera, A. 4656
Eschrich, W. 2383, 5804
Escobar, M. 2268, 5415
Escobar R., B. 4240, 4308
Eshleman, K. N. 4151
Eskelinen, A. 196
Eskelinen, O. 570
Es'kin, A. B. 2379
Eslyn, W. E. 2475
Esmaili, M. 4000
Essen, C. von 1467
Essex, B. L. 136, 193
Essiamah, S. K. 2383
Estaban Turzo, P. 6498
Esterbauer, H. 261, 1273
Esteves, G. L. 2426
Estonian SSR, Eesti Metsamajanduse ja Looduskaitse Teadusliku Uurimise Instituut 3404
Estribi, M. A. 911
Etchegaray, J. 1423
Etholén, K. 1116, 6418
Etoh, Y. 3755
Etverk, I. 393
Evangelatova, N. 5523
Evans, D. 6097
Evans, G. R. 4872
Evans, H. B. L. 5319
Evans, H. E. 6100, 6101
Evans, H. F. 5714, 6739
Evans, H. J. 436, 1385
Evans, J. 4774
Evans, K. E. 1057, 1989, 2661
Evans, P. A. 1146
Evans, R. A. 3029, 5730
Evans, R. E. 4777
Eveleigh, D. 445
Everett, R. L. 542, 2144
Everitt, J. H. 3214
Everitt, R. R. 1483
Evers, P. W. 2740, 3004, 3005, 3006
Evert, F. 3537
Everts, D. 5384
Evrard, C. R. 656
Evrard, R. 4061
Ewel, J. 1757
Ewert, E. 2338
Ezaki, T. 4556, 4557, 4558
Ezell, A. W. 3346
Faassen, H. O. 3262
Faber, P. J. 2819, 2846
Fabião, A. D. 1197
Fabre, J. P. 6699
Faeth, S. H. 1950, 1951, 5101
Fahey, T. J. 1807, 3656
Fahlman, R. 1158
Fahn, A. 6006
Fähser, L. 2089, 4318
Fairhurst, C. P. 959, 963
Fairhurst, J. M. 963
Faïtondziev, L. 6497
Fakirov, V. 2714
Falinski, J. B. 5557
Falk, E. 4067
Falkenhagen, E. R. 2449
Falusi, M. 6580
Fang, S. Y. 6682
Fargo, W. S. 1014, 3162
Farmer, E. E. 2607
Farmer, R. E., Jr. 4568, 6598
Farnham, R. S. 4137
Farnworth, E. G. 3246
Farooq, M. 5469
Farooqui, P. 1331, 2371, 2989
Farquhar, G. 138
Farrar, P. A. 1007, 1429, 5642
Farrar, R. M. 3573
Farrar, R. M., Jr. 2667, 3573
Farrell, E. P. 3621
Farrell, P. W. 651
Farrier, M. H. 3930, 3931
Farris, M. E. 12
Farris, S. H. 448, 2517
Farzaneh, A. 3921
Fasehun, F. E. 3001, 3002, 3651
Fasih, M. 3119
Fassbender, H. W. 3688
Fast, P. G. 5690
Fattorelli, S. 1475
Faulkner, R. 2659, 3849
Favinger, J. J. 1034
Favis, B. D. 4406
Fay, S. 3025
Fearnside, A. 6220
Fearnside, P. M. 6803
Fears, R. D. 6346
Federer, C. A. 1213
Fedets, I. F. 5849
Fedi, I. D. 4476
Fedorov, V. N. 462
Fedorova, A. I. 6534
Fedorova, E. E. 1378, 3070
Fedyukov, V. I. 6340
Feeny, R. C. 3588
Feilberg, L. 4689
Feiler, S. 861
Fein, P. 6067
Feinberg, M. 1019
Feklistov, P. A. 4162
Felker, P. 49, 1684, 2737, 4640, 4676, 4677
Feller, M. C. 239
Fellin, D. G. 6108
Feng, Z. W. 3636
Fenili, G. A. 2551
Fenn, P. 460, 2662
Fenton, R. T. 4651, 4653
Ferault, C. 5610
Ferda, J. 4053
Feret, P. P. 3865, 5502, 5926, 6469
Ferguson, D. E. 3022
Ferguson, I. S. 3571, 4633
Fergusson, J. E. 3695
Ferlin, P. 279, 2342
Ferm, A. 1600
Fernandez de Ana, F. J. 2491
Fernández de Ana Magan, F. J. 453
Ferrand, J. C. 1321
Ferrar, P. 3631, 3765
Ferraz, E. S. B. 1218
Ferraz, J. 4918
Ferraz, L. C. C. B. 3977, 5686
Ferreira, C. M. 2146
Ferreira, F. A. 461
Ferrell, G. T. 1422
Ferrell, W. K. 342, 5974
Ferwerda, J. A. 4154
Fessenden, R. J. 444
Fetcher, N. 3209
Feuerhake, K. 3518
Ffolliott, P. F. 1121, 4400
Fibiger, W. 4754
Fiddick, R. L. 3923
Fiebiger, S. 5845
Fiedler, H. J. 2307, 3639, 4050, 4881
Field, D. A. 4110
Field, D. B. 628, 629, 630, 1010
Field, D. R. 598
Field, R. C. 4154, 4327
Fielding, N. J. 2566, 3175, 6729
Fields, H. L. 6408
Fife, D. N. 4916
Figaj, J. K. 2710
Filatova, O. V. 2448
Filauro, A. 3472
Fil'chenko, V. V. 6597
Filin, A. I. 6371
Filip, G. M. 3082
Filius, A. M. 2015, 4121, 5002
Filla, K. 2205
Fine, A. 2203
Finet, Y. 1442, 3959, 5107
Fink, G. 5845
Finland, Helsingin Yliopiston Metsäkirjasto 1514
Finland, Keskusmetsälautakunta Tapio 197
Finland, Metsänparannussäätiö 659
Finland, State Research Institute of Engineering in Agriculture and Forestry 6367, 6368, 6369, 6370
Finley, J. C. 5370
Finnerty, D. W. 6351
Finney, J. R. 5706
Fins, L. 3850
Fircks, H. R. von 6445
Firstová, D. 595
Firth, J. G. 139
Fischer, B. C. 1119, 1770, 2066, 2199, 2200
Fisher, J. A. 1915
Fisher, R. A. 682
Fisher, R. F. 375, 2267, 3674, 5596
Fiskell, J. G. A. 2158
Fitzgerald, C. H. 2199, 4742
Fitzpatrick, J. 6735
Fitzsimons, B. 6263
Flatman, G. T. 1283
Flegg, J. J. M. 6230
Fleming, M. D. 827
Fleming, W. M. 4110
Flemming, S. 4489
Fletcher, J. M. 4595
Flinders, J. T. 6753
Flinn, D. W. 651, 3397, 4254
Flint, H. L. 940
Flöhr, W. 5268
Flor, H. de M. 790
Florence, L. Z. 2535
Florence, R. G. 4147
Flores Ayala, E. 4745
Flores, G. H. A. 906
Florov, R. 5408
Flouzat, G. 1722
Flower, F. B. 6792, 6793
Flückiger, W. 1279, 2508, 6491
Flühler, H. 279, 2342
Fodgaard, S. 1085
Foelster, H. 5356, 5412
Foerst, K. 5914
Fogal, W. H. 4693
Foiles, M. W. 710
Folkeson, L. 1236
Folkesson, B. 1642
Foltz, J. L. 2534
Fontaine, M. S. 2534
Fontana, A. 2239
Fonteyn, P. J. 5565
Food and Agriculture Organization 2058, 2100, 4621, 4632, 5265, 5499, 6227, 6228, 6229
Forbes, A. R. 6432
Forbus, K. 1061
Force, J. E. 3201
Forcella, F. 1441, 1830
Ford, E. D. 650, 3649, 3652
Ford, H. A. 4540
Ford, J. E. 4197
Ford, L. B. 468
Forman, R. T. T. 2972
Forslund, R. R. 162
Forster, H. 4319
Forteza Bonnín, J. 2921
Forti, L. C. 3971
Fortin, J. A. 244, 2466, 3303, 3873, 4635, 6609, 6616
Fortson, J. C. 4742
Fosberg, F. R. 6208
Fosberg, M. A. 1249
Fossard, R. A. de 5877
Foster, B. B. 2689
Foster, J. L. 4855
Foster, J. R. 2938
Foster, L. E. P. 2477
Foster, M. A. 5726
Foster, N. W. 5833
Foudin, A. 1453, 1964
Fountain, M. S. 3523
Fournier O., L. A. 5066
Fournier, R. 2752
Fowler, D. 1238
Fowler, D. P. 930, 3048, 3353, 3354
Fowler, G. W. 136, 3939, 3940
Fowler, H. G. 2621
Fowler, R. F. 1450
Fox, D. P. 3849
Fox, J. E. D. 1177
Fox, J. F. 4144
Fox, L., III 6432

Fraedrich, B. R. 1407
Fralish, J. S. 1885
Frampton, F. 633
Frampton, L. J., Jr. 3057, 6582
France, Association Forêt-Cellulose 4244
France, Centre National du Machinisme Agricole du Génie Rural, des Eaux et des Forêts, Nogent-sur-Vernisson 4239
France, Centre Technique du Génie Rural, des Eaux et Des Forêts 2767
France, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrières 6217
France, Institut pour le Développement Forestier 4126
France, Ministère de l'Agriculture, Direction des Forêts 1115
France, R. C. 5032
Franceschi, J. P. de 125
Francis, J. K. 1225
Francis, M. 854
Franclet, A. 1578, 1579, 1624, 1659, 4702, 5324
Franco de la Cruz, N. 4287
Franich, R. A. 970
Frank, C. W. 5481
Frank, R. M. 3427
Frankenhuyzen, A. van 3130, 3158
Frankie, G. W. 1030, 4397, 5124
Frankland, J. C. 2662
Franklin, D. A. 1181
Franklin, J. F. 650, 709, 2655
Franklin, R. T. 3986
Franz, F. 807, 4714, 6038
Franz, J. M. 2046
Fraser, H. S. 5524
Fraser, J. 5822
Fraser, K. W. 1187
Fravel, D. R. 4981
Frederick, D. J. 1688, 2710, 5944
Fredriksen, R. L. 2922
Freedman, B. 1280, 2837, 3695
Freeman, D. C. 356
Freer-Smith, P. H. 2345
Freezaillah, C. Y. 602, 619
Frei, U. 4854
French, D. W. 484, 487, 1410, 3098, 3895, 4328, 4468, 4471, 6660
French, J. R. 3297
French, J. R. J. 518
French, R. D. 135
Frerot, B. 6116
Freyer, K. 5061, 5062
Fridley, J. L. 4268
Friedmann, F. 360
Fries, J. 762, 763
Fries, M. 378
Friskie, L. M. 3991
Fritsch 5844
Fritz, R. S. 4525
Frochot, H. 1323, 3113, 4739
Fröding, A. 6359
Fröhlich, H. J. 2078
Frolova, L. A. 2894
Fromm, T. W. 1857
Frommhold, H. 3510
Frühwald, A. 4381
Fry, G. 4271
Fryer, J. D. 2631
Frykman, B. 3342
Fuchigami, L. H. 2389, 2390
Fuchs, M. 228
Fuchs, R. 4674
Fuentes, E. R. 1423
Fugler, S. R. 3466
Fuhrer, B. A. 1500
Führer, E. 5839
Fuhrer-Fries, C. 4932
Fuhrer, J. 4932
Fuhrmann, H. 5161
Fujie, I. 2818, 2835, 3543
Fujieda, M. 5754
Fujihisa, M. 4556, 4557, 4558
Fujii, E. 1898
Fujii, Y. 5172
Fujimori, T. 656, 737, 738, 769
Fujimoto, H. 315, 347, 3045
Fujimoto, K. 4232, 4233, 4234, 4235
Fujimoto, S. 332
Fujimura, Y. 1812
Fujisaki, K. 4404
Fujisawa, H. 181
Fujishita, A. 5712
Fujita, K. 1591
Fujita, M. 4964, 4966
Fujita, T. 5703
Fujiwara, K. 550
Fujiwara, M. 5398
Fukada, M. 2680
Fukazawa, K. 5515, 5991, 6014, 6028
Fukuhara, N. 5585, 6095
Fukui, H. 5157
Fukuoka, K. 768
Fukushima, T. 3557
Fukushima, Y. 653, 654
Fukuta, T. 5545
Fukuyama, K. 506
Fukuyoshi, T. 3661
Fukuzumi, T. 2736
Fuller, M. R. 604
Fulton, J. 817
Funaki, T. 6200
Funatsu, T. 6686
Fundter, J. M. 1509
Fung, P. Y. H. 648
Funk, A. 3908, 5626
Funk, D. T. 1541, 5301, 5308
Funkhouser, W. 6731
Furbish, D. J. 655
Furlan, V. 3873
Furman, R. W. 1290
Furniss, M. M. 6141
Furniss, P. R. 3624, 3631, 3648, 4006
Furono, T. 173, 505, 525, 4824, 4825, 4884, 5120, 5131, 5132
Furqan, M. 330
Furtado, J. I. 2627
Furukawa, H. 2680
Furukawa, I. 5545
Furukawa, T. 5889, 5958
Furukoshi, T. 6078
Furuno, T. 2838, 2916, 3181, 4824, 4825, 4884, 5120, 5131, 5132
Furuta, K. 5637, 6686
Furutani, S. 5172
Furyaev, V. V. 4144
Fuschetti, F. 2357
Fusco, R. A. 2557
Fushimi, T. 4341, 4342, 4556, 4557, 4558, 4571
Fushitani, M. 2982
Fusi, P. 2710
Futai, K. 5132
Fuziwara, M. 216, 4730
Gabel, W. F. 1849
Gabrid, N. V. 6683, 6684
Gabriel, W. J. 3356
Gabrielson, F. C. 5773
Gadal, P. 2387, 3766
Gadant, J. 4610
Gadgil, M. 1487
Gadgil, P. D. 950, 5619
Gadow, K. von 3301, 3310, 4157, 4158, 4182
Gaffney, G. 6349
Gagnaire-Michard, J. 1802, 1823
Gagnon, J. D. 5344
Gagoshidze, I. A. 6376
Gairola, S. K. 2313
Gajardo M., R. 6069
Gál, T. 3934
Galanova, T. F. 4665
Galbreath, R. A. 6130
Gale, J. 5438
Gale, J. L. 4885
Gale, N. L. 6499
Galis, F. 1420
Galkin, G. I. 3924
Gallagher, G. J. 769, 4633
Gallagher, M. 1919
Gallardo, J. F. 2905, 2920, 3629
Gallegos, C. M. 5784, 6540
Game, M. 4436
Ganchev, G. 5655
Ganchev, P. 2714
Gand, H. in der 655
Gandar, M. V. 3827
Gandhi, V. 4216
Gane, M. 5261
Ganev, S. 5981
Ganguli, B. N. 5276
Ganser, H. K. 2207
Gansner, D. A. 3337, 4499, 4583, 4856
Gao, D. 5633
Gao, X. P. 4424
Gara, R. I. 3967
Garbaye, J. 2210, 2217, 4458, 5035
Garbini, J. L. 4268
García, A. 2423
García Bayon, G. 2320
García Gil, A. M. 4951
Garcia, O. 140
García Rodríguez, A. 2921
Gårdh, R. 1614
Gardner, D. J. 6012
Gardner, W. E. 1688, 5944
Garelkov, D. 5449, 6398, 6405
Garilov, Ch. 6594
Garrec, J. P. 1918, 2959
Garrett, H. E. 943, 1628, 1989, 2064, 4380
Garrett, L. D. 4155
Garrett, P. W. 389
Garrity, N. R. 5699
Garsed, S. G. 1767, 6502
Gärtner, E. 2078
Gärtner, E. J. 3361
Garton, S. 4137
Gasimans, J. 2428
Gaskin, R. E. 970
Gaspar, C. 5133
Gaspar, W. T. 5738
Gates, C. C. 5733
Gathy, P. 656, 4061
Gatsuk, L. E. 4405
Gauld, J. H. 5965
Gaultney, L. D. 4265
Gaur, R. D. 5001
Gautier, C. R. 2144
Gautry, J. Y. 1578
Gautschi, A. 5159
Gaylor, M. J. 5124
Geary, T. F. 3378, 5319
Geering, C. 4150
Geerling, C. 5550
Geetha, V. S. 3757
Gehrmann, J. 6524
Geier, P. W. 3120
Geigel, F. B. 2319
Geiger, R. K. 2065
Geilfus, F. 5061, 5062
Geisel, B. E. 2358
Geiser, U. 1203
Geiszler, D. R. 3967
Geldenhuys, C. J. 3467, 3578
Gelder, A. van 4121
Geles, I. S. 1635
Gemmill, B. 1267
Genco, J. M. 869, 870, 871
Gendle, P. 6675
Generalao, M. L. 657
Gennart, M. 5270
Genov, K. 6543
Gensitskiĭ, I. P. 4665
Genssler, H. 2280
Gent, J. A., Jr. 6336
Gentle, M. R. 1717
Genys, J. B. 2127, 5302
George, C. W. 2361
George, J. 2730
George, M. 2941
George, S. 1066
Georgeot, J. M. 2300
Georgevits, R. P. 3117
Georgiev, A. 5449
Georgiev, N. 2269, 6444
Georgis, R. 523, 4517, 4518
Gerber, W. 2278
Gerecke, K. L. 2253
Gerlander, M. 1245, 2334
German Federal Republic, Arbeitsgemeinschaft Forsteinrichtung 2048
German Federal Republic, Bayerische Staatsministerium für Ernährung, Landwirtschaft und Forsten 5843
German Federal Republic, Landesforstverwaltung Baden-Württemberg 4645
German Federal Republic, Niedersächsisches Ministerium für Ernährung, Landwirtschaft und Forsten 2306
German-Ramirez, M. T. 4493
Gerold, D. 3545, 5836
Gerushinskiĭ, Z. Yu. 42
Gervin, J. C. 4934
Gerwig, F. 3276
Gessel, S. P. 651, 652, 3632, 6490
Getahun, A. 3250
Getz, D. A. 1492
Gewald, N. J. 5415
Geyer, W. A. 2709, 3654, 4262
Gharib, B. 6102, 6103
Ghent, J. H. 1029
Ghio, C. 4588
Gholz, H. L. 800
Ghosh, A. K. 2501
Ghosh, R. B. 366
Ghosh, R. C. 657, 2277, 2704, 2723, 4691
Ghouse, A. K. M. 1842, 3743
Gianinazzi-Pearson, V. 6620
Gianinazzi, S. 6620
Gibbs, C. B. 704
Gibbs, J. 5989
Gibbs, J. N. 2659, 3895, 5073, 5608, 6504
Gibson, A. H. 5231
Gibson, A. R. 5973
Gibson, C. 6735
Gibson, D. J. 4054
Gibson, G. L. 4198
Gibson, H. G. 4265
Gibson, I. A. S. 6655
Gibson, L. P. 1421
Gierliński, T. 3575
Giertych, M. 5583
Gietl, G. 653
Gifford, G. F. 311, 539, 6468
Gifford, H. H. 140
Gigliello, K. A. 1857
Gil Sánchez, L. 6127
Gil Sotres, F. 4394
Gil Sotres, M. C. 2548
Gilbert, F. F. 4546
Gilbert, L. E. 4005
Gilbert, O. L. 4433, 6495
Giles, R. H., Jr. 3314
Gill, A. M. 588, 3716, 4302
Gill, D. S. 6520
Gill, J. D. 199
Gill, J. G. S. 4214
Gill, L. S. 3746
Gillet, C. 5129
Gillingham, J. T. 4350
Gillison, A. N. 588, 3821
Gillon, J. P. 5911
Gilman, E. F. 6792, 6793
Gilmore, A. R. 795, 796, 2455, 2923, 2924, 2925, 2926, 2930, 2962
Gilmour, D. A. 5176
Giltrap, N. J. 423
Gimbel 2358
Giorgetti, A. 4004
Giovannetti, G. 2239
Giraldo, L. G. 2268, 5415
Girault, D. 1890
Girs, G. I. 6531
Gjerstad, D. H. 2200, 2781, 2782, 3302
Gladstone, W. T. 6236
Glander, K. E. 6766
Glatzel, G. 5985, 6467

Gleason, C. D. 2868
Glebov, V. P. 179
Gleed, J. A. 6083
Gleissner, G. 575
Glidden, W. T., Jr. 4188
Gloagnen, J. C. 1747
Globa-Mikhaĭlenko, D. A. 2725
Glover, G. R. 3302
Glück, P. 2076, 5838
Glukhova, T. V. 654
Gnändinger, H. 5846
Gnaratnam, J. K. 1471
Godbee, J. F., Jr. 3366
Godbout, C. 6616
Godet, J. G. 5805
Godin, M. E. 4720
Godkin, S. E. 2980, 3736
Godnev, E. D. 95
Godron, M. 1345, 1511
Godwin, P. A. 2539
Goen, J. P. 5500
Goetzl, A. 6223
Goff, N. le 1320
Goglins, F. 1659
Goh, R. K. C. 4828
Goidànich, G. 5603
Gokulpure, R. S. 2236
Golan, Y. 5616, 6116
Goldammer, J. G. 2355, 2357, 2360, 5806
Goldberg, D. E. 925
Golden, A. M. 1454
Golden, M. S. 784
Goldsmith, F. B. 2659, 2867
Goldsmith, L. J. 743
Goldstein, I. S. 601
Golev, V. D. 6371
Golley, F. B. 6481, 6482
Golob, T. B. 3619
Golosova, M. A. 5138
Golovchanskiĭ, I. N. 717
Gol'tsev, A. F. 578
Golutvin, G. I. 4920
Gomes, A. do N. 5738
Gomes, J. M. 2129
Gomez, M. M. 4890
Gómez-Pompa, A. 601, 4602
Gomide, J. L. 2349
Gomm, F. B. 3219
Gonzalez, A. F. 3470
Gonzalez, C. L. 3214
González Cano, J. M. 2515
González, M. I. M. 2905, 2920, 3629
González O., C. 750, 2326
González Rivadeneyra, M. 5415
Goodall, D. W. 1111
Goodenough, D. G. 3591
Goodman, S. D. 4051
Goor, C. P. van 1515, 4156, 5771
Gope, B. 5390
Gorbacheva, G. N. 2351
Gorbunov, A. F. 1451
Gorbunova, G. A. 6267
Gorchakovskiĭ, P. L. 1870, 3036
Gordienko, M. I. 2180
Gordon, A. G. 2659, 3771
Gordon, D. T. 714
Gordon, M. 4153
Gordon, P. 5176
Gordon, R. A. 5727
Goring, D. A. I. 4406
Gornicki, P. P. 6809
Gorokhova, G. I. 2032
Gorokhova, V. G. 6027
Gorse, J. 4619
Gorshkov, V. I. 1673
Gorshkov, V. V. 4144
Gorst, J. R. 5877
Göss, H. 5845
Gossow, H. 658, 5839
Gostyńska-Jakuszewska, M. 3031
Goswami, P. C. 4062
Gosz, J. R. 4919
Goto, K. 5880
Goto, M. 4420
Goto, T. 3286
Gotoh, T. 5680
Gottfried, G. J. 4400, 6317
Gottschalk, K. W. 1658
Gottwald, H. 1795, 6007
Gough, P. 5139, 6728
Goulding, C. J. 139, 140, 4633
Gourret, J. P. 1918
Gove, J. H. 624, 625
Govi, G. 6612
Govorova, T. T. 717, 5414
Gra Rios, H. 2252
Graaf, N. R. de 3579, 4633
Grabstein, E. M. 2527
Grace, J. 3002, 3651
Grace, L. J. 1384, 6607
Graetz, R. D. 1717
Graf, V. 3941
Graham-Higgs, A. 5485
Graham, J. D. 2748
Graham, J. H. 5044
Graham, R. L. 1854, 2937
Graham, R. T. 2185, 2208
Grainger, A. 2642, 5842
Gralicki, L. 3917, 6711
Grammel, R. 5262
Gramsch, W. 3415
Granat, L. 1765
Grand-Mesnil, M. N. 1531
Grande, M. 5744
Grandstaff, T. B. 3253
Graney, D. L. 1656
Granier, A. 308
Granja e Barros, M. A. 890, 5386
Grant, G. G. 1431, 3945, 5690
Grant, J. 5410
Grassi, S. 5625
Grasso, V. 6666
Gratani, L. 1803
Graves, D. H. 5772, 5774
Gray, B. 4594
Gray, D. H. 587
Gray, D. J. 4477, 5070
Gray, J. T. 246, 6520
Gray, W. H. 667
Grayburn, A. W. 4271
Grayson, A. J. 2656
Greaves, A. 9, 749, 4131, 5319
Grebeshnikova, V. P. 1434
Greegor, D. H. 4331
Green, C. W. 6761
Green, G. C. 228
Green, G. W. 3151
Green, K. 4114
Green, L. R. 1288
Green, R. J., Jr. 12
Green, T. G. A. 5539
Greenhalgh, G. N. 5023
Greenwood, E. A. N. 6470
Greenwood, M. S. 3769
Gref, R. 1820
Gregersen, H. 766, 767, 768, 3334
Gregersen, H. M. 612, 761
Gregoire, J. C. 1442, 5107
Gregoire, T. G. 205, 624
Gregori, P. 1194
Gregory, J. D. 2202
Gregory, M. S. 4149
Gregory, S. C. 1409
Grehan, J. R. 3961
Greig, B. J. W. 2477, 5084
Greis, I. 2308
Grelen, H. E. 3453
Grelewicz, A. 5452
Greller, A. M. 1352, 1353
Gremmen, J. 474
Grennfelt, P. 1229
Grente, J. 3109
Gresham, C. A. 4346, 4569
Greszta, J. 272, 3370, 5331, 5471, 5472, 5473, 5474
Greve, U. 4381
Gribachev, V. G. 6264
Gribova, S. A. 1110
Grier, C. C. 652, 945, 4919, 6476
Gries, G. 2542
Griess, O. 256, 3539
Griffin, A. R. 6041
Griffin, D. M. 4184, 6227
Griffin, E. 3606
Griffin, G. J. 12, 1389
Griffin, J. R. 1307, 1346
Griffith, J. A. 4634
Griffith, J. J. 5763
Griffith, R. D. 2200
Griffiths, E. E. 1766
Grigal, D. F. 242, 786, 4222
Griggs, M. M. 465
Grill, D. 255, 261, 1273
Grimal'skiĭ, V. I. 6744
Grimbarzersky, P. G. 5245
Grime, J. P. 5567, 5568
Grinberg, P. S. 498
Gringrich, S. F. 801
Grip, H. 1733, 3587, 6258, 6262
Griswold, H. C. 2784
Groeneveld, H. T. 4531
Groeneveld, R. M. W. 5220
Groenhuis, B. 211, 5771
Groothousen, C. 5415
Gross, H. 2089
Gross, H. L. 3118
Grossbechler, F. 5894
Grossman, D. 3765
Grossmann, H. 2287
Grossmann, W. D. 650, 3314, 4086
Grossnickle, S. C. 2012
Grotthuss, O. von, Freiherr 2078
Grove, T. S. 3877
Groves, R. H. 588, 4630
Grozdits, G. A. 2980, 3731, 3736
Grozeva, M. 5449
Grubb, P. J. 4362, 4363
Grudzinskaya, I. A. 6049
Grüneberg, H. 2007
Grünhage, L. 285
Grünigen, C. von 2297
Grunow, J. O. 3765, 4531
Grunwald, C. 662, 2124, 2218, 5017, 5865
Grzywacz, A. 3910
Gu, M. B. 495, 6687
Guadagnuci Piccolo, A. L. 2372
Güde, H. 257, 5956
Guderian, R. 1268
Guerra Marín, G. 5993
Guerrero, A. 3204
Guevara Sada, S. 4602
Guglielmetti, G. 5645
Guillaume, C. A. 2357
Guillerm, J. L. 1345
Guindon, B. 3591
Guinochet, M. 6569
Guinon, M. 6073
Guiraud, C. 1995
Gul, H. 1970, 3205
Gul, P. 4288
Gul'be, Ya. I. 6446
Guldin, R. W. 5363
Guleria, A. 2234
Gullberg, U. 6592
Gunatilleke, C. V. S. 1350, 1353, 4110, 5556
Gunatilleke, I. A. U. N. 1350, 1353, 4110
Gundermann, E. 771, 2619
Gunton, C. 3673
Günzl, L. 2130
Guo, D. H. 1571
Guo, Y. 1668
Guppy, J. C. 2538
Gupta, B. K. 1969, 3997
Gupta, M. K. 554, 4385
Gupta, P. C. 1805, 4791
Gupta, R. K. 133
Gupta, S. D. 3221
Gupta, S. K. 2261, 4443
Gupta, T. 2234
Gurbakhsh Singh 3328
Guries, R. P. 1374, 3059, 3349, 3861, 5244
Gurmit Singh, K. S. 648
Gürth, P. 712, 2093, 2451, 3276
Gurtsev, A. I. 2259
Gurumurti, K. 1686, 2704, 2707, 2850
Gur'yanova, T. M. 1042
Guseĭnova, S. O. 2394
Gusev, I. I. 157
Gusev, M. V. 1335
Gustafsson, J. 1620, 1621, 6310
Gustafsson, L. 6251
Gustavsen, H. G. 1704
Gusteleva, L. A. 6748
Gut, R. T. 42
Guth, E. B. de 3860, 3863
Guthery, F. S. 3038
Guthrie, J. E. 3711
Gutiérrez Jarquín, T. 4290
Guy, D. C. 3237
Guy, P. R. 3232
Guyon, J. P. 3348
Guyot, G. 3600
Guzmán, G. 6610
Györfi, J. 3974
Haapala, H. 1168
Haapanen, A. 574, 1091
Haapanen, T. 748
Haarlaa, R. 6525
Haas, G. E. 2060
Haas, R. E. 6439
Haavisto, V. F. 3771, 4692
Habeck, D. H. 2195
Haberstumpf, A. 4576
Hachenberg, F. 4644, 4647, 4648
Hachiya, K. 2680
Hackett, R. 5787
Hacskaylo, E. 3883
Hadders, G. 4689, 6077
Haddon, B. D. 4692, 5330
Hadi, S. 416, 678
Haefner, H. 4854
Hafemann, E. 2252
Haffer, J. 1860
Hafley, W. L. 2852
Hafner, F. 2105, 5839
Haga, T. 2821, 4304
Hager, V. J. 6141
Haggis, M. J. 6697
Hägglund, B. 606, 1714
Hagihara, A. 2382, 2889
Hagin, J. 5856
Hagiwara, S. 5586
Hagler, R. 34
Hagman, F. A. 774
Hagman, M. 13, 47, 6592
Hague, N. G. M. 523, 4517, 4518
Hahl, J. 120
Hahlbrock, T. 5853
Hahn, J. F. 3344
Hahn, J. T. 193, 792, 808, 823
Haibara, K. 651, 1762, 1763, 1764, 2742, 2743, 2744, 2932, 6479
Hain, F. P. 490, 1105, 2553
Haines, L. W. 245, 2197
Haines, S. G. 245, 1211
Hainze, J. H. 6695
Hair, D. 1529
Haissig, B. E. 2994, 3305
Hajra, P. K. 4984
Hakkila, P. 122, 1768
Häkkinen, R. 1393
Halbwachs, G. 280
Haley, D. 2886
Halffter, G. 1121
Hall, A. S. 2304
Hall, D. K. 4855
Hall, D. O. 601, 837, 1148
Hall, F. C. 1306
Hall, H. 3696
Hall, J. B. 358, 359, 596, 3798, 3819, 4150, 6576
Hall, J. P. 3355, 3372, 5325
Hall, P. M. 2663, 4846
Hall, R. B. 5573
Hall, R. J. 5245
Hall, R. W. 529
Hall, S. 3696
Hall, T. 4302
Hallberg, R. 4151
Hällgren, J. E. 1765, 1815, 1816
Halls, L. K. 6773
Hallsworth, E. G. 2657
Halperin, J. 1013, 1447, 3927, 3960, 5710, 6098, 6116, 6118, 6119, 6136
Halstead, L. B. 4150

Halverson, H. G. 1209, 3646, 4098
Halvorson, C. H. 1063
Ham Trujillo, J. 4801
Hama, T. 3913
Hamaya, T. 5584
Hamburgo Alves, J. L. de 900, 910
Hamdi Ridzuan, M. H. F. 5026
Hamel, O. 657
Hametahti, L. 4608
Hamidin, A. J. 4819
Hamilton, A. C. 590
Hamilton, D. 381
Hamilton, D. F. 5599
Hamilton, L. S. 594, 4110
Hamilton, T. E. 2057
Hamilton, W. D. 3464
Hamm, P. B. 1390, 5052
Hamrick, J. L. 1367
Hamsawi, S. 4701
Hamzah, Z. 753
Han, K. J. 5185
Han, S. S. 1814, 4423
Han, Y. C. 48, 406, 457, 4310
Hand, F. C. 6041
Handa, R. 4673
Handley, A. 868
Handro, W. 2146
Hänel, H. 3926, 6733
Hanes, T. L. 1359
Haney, H. L., Jr. 2690, 5831
Hann, D. W. 16, 201
Hann, R. A. 3287
Hannak, C. 2204
Hannelius, S. 6442
Hanotiaux, G. 6487
Hanover, J. W. 395, 1595
Hansell, J. R. F. 6187
Hansen, B. 1355
Hansen, E. A. 443, 5296
Hansen, E. M. 1390, 1926, 5052
Hansen, K. 1357
Hanson, D. W. 1263
Hanson, H. J. 817
Hanson, J. D. 5535
Hanstein, U. 2174
Hanula, J. L. 1440, 4490
Hanus, F. J. 436
Haque, M. S. 2738, 3067, 3381, 4684
Hara, H. 6549, 6550, 6551
Harada, H. 1327, 2680, 4960, 4961, 4962, 4964, 4965, 4966
Harborne, J. B. 4603
Harbottle, G. 6503
Harder, M. L. 5304
Hardin, J. W. 328
Harding, D. J. L. 2041
Harding, D. M. 5850
Harding, J. 2867
Harding, S. 3966
Hardy, Y. J. 3140
Hare, R. C. 2142, 2401
Hari, P. 19, 174, 323, 324, 325, 748, 1243, 2388, 4312, 6414
Haring, P. 5060
Harjal, N. 4957
Harkov, R. 297
Harley, J. L. 1918, 6214
Harlow, R. F. 4132
Harnden, A. A. 3956
Harou, P. A. 33, 656, 658, 770, 5432
Harper, J. D. 2514
Harper, K. T. 356
Harper, S. S. 2753
Harr, R. D. 4034, 4550, 5755
Harranger, J. 5654
Harrell, J. B. 6809
Harrell, M. O. 516
Harrington, C. A. 4744
Harrington, T. C. 5046, 5606
Harris, C. B. 3479, 6350, 6351
Harris, C. C. 771
Harris, J. A. 1972
Harris, J. W. E. 3596, 5245, 5658, 6696
Harris, L. D. 3461
Harris, M. K. 2877
Harris, R. W. 2036, 5796
Harrison, A. F. 4360, 6215
Harrison, A. T. 1807
Harrison, H. A. 6512
Harrison, R. E. 882, 1188
Harrison, T. D. 3827
Harsh, N. S. K. 407
Harshberger, D. 1011
Härşian, I. 5060
Harstela, P. 735
Hart, E. 7
Hart, J. W. 1595
Hart, P. B. S. 1381
Härtel, O. 248, 275
Hartesveldt, R. J. 4115
Hartfiel, J. 40
Hartge, K. H. 4352
Hartley, M. J. 3288
Hartmann, F. S. 5726
Hartwig, F. 768
Hartwig, I. 3203
Haruki, M. 5927
Harun, B. 4803
Harvey, A. E. 442
Harvey, G. T. 3148, 6693, 6694
Harvey, H. T. 4115, 4116
Hasan, S. M. 1167
Hase, H. 5356, 5412
Hasegawa, K. 5434, 5880
Haselwandter, K. 5231
Hashida, H. 5768
Hashim, M. N. 4794
Hashimoto, N. 656
Hashimoto, R. 2890, 2891
Hashizume, H. 346, 369, 5317, 5329, 5340, 5674
Häsler, R. 6451
Hasness, J. R. 6385, 6388
Hassan, A. E. 6336
Hasse, W. D. 2290
Hassler, C. C. 3523
Haston, G. 1491
Hatcher, A. V. 3052
Hatiya, K. 5933, 5968
Hattemer, H. 5573
Hattori, S. 2601, 4357, 6169, 6172
Hatzfeldt, H. Graf 3274
Haufe, H. R. H. 2058, 5784
Haugen, R. 731
Hauke, G. 2111
Haukioja, E. 4497
Hausrath, H. 3270
Hautojärvi, A. 1240, 1245, 2334
Haverty, M. I. 529, 1035, 1037
Havranek, W. M. 4874
Hawkes, B. C. 1300
Hawkins, P. J. 4769
Hawksworth, F. G. 485, 5067, 5085, 5086
Hawley, A. W. L. 3218
Hay, K. A. J. 4623
Hay, R. L. 1606
Haya, K. 4887
Hayasaka, Y. 3176
Hayashi, H. 6095
Hayashi, K. 5960
Hayashi, S. 3326, 3327, 4017, 4018, 4019, 4649
Hayashida, Y. 5531
Haydon, L. 4774
Hayes, A. J. 2550
Haynes, C. 969
Hayward, J. D. 5163
Haywood, J. D. 2780
Haywood, W. F. 5613
He, S. 4591
He, S. A. 2684
Heal, O. W. 600, 2659, 3792, 6215
Healy, W. B. 5973
Healy, W. M. 4021
Heaman, C. 397
Heather, W. A. 954, 1934, 3084, 3101, 3103, 5065, 5072, 5622, 6668, 6674
Hebb, E. A. 664, 720, 2757
Hecke, P. van 3805, 3806
Heckemann, H. 3503
Hecketsweiler, P. 5182
Hedger, J. N. 2662
Hedin, I. B. 4266
Heding, N. 2794, 4776
Hedrick, H. G. 943
Hedström, B. S. 5572
Heede, B. H. 1473, 1474
Heeswijk, H. A. van 220
Heflin, E. 1098
Hegg, K. M. 4149
Heggestad, H. E. 2948
Hegyi, F. 4149
Heij, W. 4155
Heikinheimo, L. 767, 768, 5955
Heikkilä, R. 1829
Heikurainen, L. 656, 721, 2593, 6327
Heilman, P. 3713, 4047
Heilman, P. E. 2753, 2754
Heinrichs, H. 3688, 4925, 5456
Heinsdorf, D. 2155, 3394, 3407, 6478
Heinze, M. 4050
Heisig, K. 2358
Heisler, G. M. 4098, 4384
Heithaus, E. R. 2398
Helal, H. 3161, 3173, 3174
Helbig, W. 2574
Helgerson, O. T. 439, 2654
Helgesson, T. 4283
Heliövaara, K. 3123, 6685
Helle, T. 2578
Heller, R. C. 3601
Helles, F. 761, 768, 832, 1085, 4155, 4336
Hellig, K. 1273
Helliwell, D. R. 2033, 2632, 3297, 4898, 4899
Hellkvist, J. 2323
Hellqvist, C. 6746
Helms, J. A. 4768
Helms, R. S. 4251
Hemstrom, M. 3022
Hendee, J. C. 650
Henderson, G. 4879
Henderson, J. A. 3022
Henderson, M. 4754
Henderson, N. C. 2566, 3170
Henderson-Sellers, A. 569
Hendler, R. H. 723
Hendler, R. J. 1175
Hendren, K. H. 1078
Hendriks, J. L. J. 4988
Hendrix, J. W. 2159, 6604
Henne, A. 2609
Henneberg, H. J. 2613
Hennig, R. 2089
Henrichfreise, A. 4072
Henriksen, S. W. 6212
Henry, A. N. 3032, 3777
Henry, J. F. 5813
Henry, R. 3297
Henty, E. E. 2043
Hepburn, A. 645
Hepburn, A. J. 645, 6282
Hepp, K. 2093
Hepp Kuschel, A. 5993
Hepp, T. E. 810
Heppner, J. B. 3954
Herbert, J. 793
Herbert, M. A. 652, 3398, 3408
Hereter, A. 4354
Hering, T. F. 2662
Heringer, E. P. 941
Herklotz, K. 4352
Herman, A. 653
Hernandez C., A. 2422
Hernández, M. 978
Hernández Martínez, L. 4122
Hernando Costa, J. 4349
Herrera, R. 3290, 3664, 6554
Herrick, O. W. 3337, 4499, 4856
Herrmann, A. 5250
Herrmann, S. 2147
Hershey, T. J. 5736
Hertel, G. D. 1105
Herzog, A. 6164
Heslin, M. C. 6639
Hess, P. 5845
Heth, D. 2125, 5856
Hetherington, E. 3163
Hetherington, J. C. 203, 765, 2829
Heukamp, B. 2207
Heungens, A. 4509
Heuveldop, J. 5181, 5207, 5385
Hewett, C. E. 2057, 4142, 4188
Hewlett, J. D. 6781
Hewson, R. 3233
Heybroek, H. M. 3292, 3455
Heytze, J. C. 3260
Hibbert, A. R. 2600
Hibbert, D. 920
Hibbert, F. A. 4595
Hibbs, D. E. 3027
Hicks, D. R. 6378, 6388
Hicks, R. R., Jr. 1105, 1953, 6542, 6587
Higashi, S. 551, 655, 5746, 6107
Higby, P. K. 2540
Higginbotham, K. O. 3643
Higgins, M. D. 6806
Higgins, M. L. 6767
Highley, T. L. 5607
Higuchi, K. 1788
Hikichi, M. 5365
Hilbert, P. 5829
Hildebrand, E. E. 4351
Hildebrand, M. J. 3194
Hildebrandt, G. 3295
Hill, D. C. 6500
Hill, M. O. 5555
Hill, T. C. 6641
Hiller, I. 638
Hillerdal-Hagströmer, K. 2323
Hillis, W. E. 1528
Hills, D. 817
Hillstrom, W. A. 2790
Hilmi, H. A. 4153
Hilt, D. E. 2828, 3560
Hiltunen, R. 6529, 6593
Himelick, E. B. 898, 965, 4087
Hinckle, C. R. 1888
Hinckley, T. M. 6, 2321, 3642
Hinesley, L. E. 1826, 2756, 2760, 3380
Hingston, F. J. 2945, 3877
Hinkelmann, K. H. 292, 5482
Hinomizu, H. 6107
Hinson, W. H. 2665
Hintikka, V. 2662
Hinton, O. W. 1660
Hinz, P. 3049, 5858
Hirabayashi, Y. 2746
Hirakawa, H. 658
Hirakawa, Y. 6015, 6020, 6021
Hirano, M. 655
Hiraoka, S. 546, 5158
Hiratsuka, N. 5069
Hiratsuka, Y. 478, 3922, 4473
Hirel, B. 2387
Hiroki, S. 923
Hironaka, M. 5740
Hirsch, S. N. 1285, 1286
Hirschmann, H. 1456
Hisada, K. 5434
Hishinuma, Y. 5951
Hitchcock, R. B. 3287
Hiziguro, N. 4655
Hizume, M. 3044
Ho, K. S. 820
Hobbs, M. W. 5493
Hobbs, S. D. 2654
Hočevar, A. 653
Hocevar, M. 4703
Hoch, H. C. 4478
Hochbichler, E. 2605
Hockenjos, F. 4129
Hocker, H. W., Jr. 743, 3481
Hodam, R. H. 5295
Hodapp, W. 6441
Hodges, C. S. 972, 5612
Hodgkins, P. E. 779
Hodgson, J. 5561, 5562
Hodson, M. J. 1766
Hoekman, D. H. 2879
Hoekstra, D. A. 4631, 5199, 6801, 6802

Hof, J. G. 4830
Hoff, R. J. 2137
Hoffer, R. M. 827, 828, 3594
Hoffmann, B. F. 4155
Hofmann, G. 639, 5268
Hofmann, R. R. 6164
Hofmann, W. 5966
Högberg, P. 1917
Hogencamp, P. F. 724
Hogg, K. M. 2663
Hogrebe, H. 2212
Hohmeyer, W. 5262
Hoksbergen, F. T. J. 3369
Holbrook, N. M. 1858
Holdaway, M. R. 193, 5418
Holden, A. M. 6521
Holdgate, M. W. 591
Holechek, J. L. 6754, 6755
Holewinski, D. E. 5911
Holland, I. I. 4113
Holland, P. G. 6070
Hollander, C. 2283
Holliday, N. J. 3943
Holling, C. S. 5723
Hollis, C. A. 375, 3057, 3091
Hollstein, E. 5801
Holm, J. 2148
Holmes, D. 31
Holmes, F. W. 975
Holmes, J. H. G. 4292
Holmes, S. B. 5743
Holmes, W. D. 4860, 4861
Holopainen, T. 1241
Holopainen, V. 24
Hołownia, I. 5022
Holstener-Jørgensen, H. 3462, 3514
Holt, H. A. 1119, 2066, 2199, 2200, 4265, 6345, 6348
Holt, R. A. 5541
Holten-Anderson, P. 2843
Holten, N. E. 4775
Holtmeier, F. K. 4875
Holzbecher, J. 3695
Holzer, K. 2452, 3843, 5839
Holzknecht, P. W. 4189
Holzner, W. 4608
Homechin, M. 3888
Homewood, K. M. 5213
Honda, K. 5897
Hong, L. T. 942
Hong, R. F. 5081
Hong, S. C. 5170
Hong, S. H. 526
Hong, W. 4658
Hong, Y. P. 5012
Honjyo, T. 3690, 3691, 3692, 5178, 5341, 5551
Hoogesteger, J. 380
Hoover, E. 2768
Hoover, S. 6300
Hopkins, H. C. 350, 915
Hopkins, M. J. G. 350, 6704
Hopkins, O., Jr. 6806
Hopkins, P. F. 2880
Hopmans, P. 3397
Hoppe, D. C. 789
Hoppe, J. C. 4633
Hoque, E. 4452, 5537, 6036
Hore, D. K. 6561
Hori, M. 4420
Horisberger, D. 1201, 2264
Horn, K. F. 3930, 3931
Horn, M. 5108
Horn, P. J. 142
Hornbeck, J. W. 6397
Horndasch 3321
Horndasch, M. 3321
Horne, L. 2639
Horne, R. 5485
Horntvedt, R. 282, 4968, 6652
Horrill, A. D. 6215
Horsley, S. B. 3444, 4735
Horstmann, K. 3200
Horvat-Marolt, S. 4770
Hoshikawa, K. 6107
Hosier, R. 4678
Hosking, M. R. 141
Hosman, K. P. 6690
Hosoda, R. 6150
Hosokawa, R. T. 741
Hossen, S. 6637
Høsteland, J. E. 617
Hotrabhavandra, T. 4436
Hotvedt, J. E. 2884
Houde, B. 6158
Houerou, H. N. le 1482, 3210, 5147
Houghtaling, T. 3334
House, L. O., IV 4139
Houseweart, M. W. 1008, 1012, 1023, 1024, 1435
Houston, D. B. 293, 5303, 6600
Houston, D. R. 4495
Houtz, R. L. 4970
Houwers, A. 425
Hovland, J. 4927
Hovorka, O. 6109
Howard, R. W. 3121
Howard, T. M. 588
Howarth, M. J. 6609
Howe, C. W. 613
Howe, H. F. 1833
Howe, R. W. 4540
Howe, T. D. 4540
Howell, R. S. 4633
Howse, G. M. 2623, 3118, 3137, 3956
Hoy, M. A. 2511
Hoyle, M. C. 3418, 4905
Hoyos de Castro, A. 4349
Hozumi, K. 1811, 2382, 2889, 6533
Hrabětová-Uhrová, A. 3031
Hradetzky, J. 2204, 2253
Hradetzky, V. 2253
Hruzick, G. 6505
Hsiao, K. J. 489
Hsiung, W. Y. 1786, 4793
Hu, H. T. 3074
Hu, S. S. 1879
Hu, Y. S. 1789
Hua, Y. F. 1800
Huang, Z. H. 521
Hubbard, H. B., Jr. 530
Hubbell, S. P. 4602
Hubbes, M. 3907, 5068, 6653, 6654
Huber, F. 1318, 4506
Huber, H. 255
Hübner, W. 5423
Hudak, J. 3141, 3142, 3153
Hudler, G. W. 4482
Hudson, J. 5490, 5491
Hudson, R. H. 5544
Hudson, R. J. 5733
Huebner, M. L. 1500
Hueck, K. 4127
Huff, D. D. 3706
Huffman, J. B. 2813, 4675
Hughes, C. E. 4998
Hughes, G. A. 4324
Hughes, H. R. 4070
Hughes, J. F. 4148
Hughes, J. H. 6341
Hughes, J. M. 636
Hughes, M. K. 1124, 4595
Hughes, S. 4657
Huguet, L. 3313, 4164
Huhtinen, O. 5248
Hui, D. C. K. 4843, 4844
Hujii, H. 4052
Hulme, M. A. 6147, 6747
Hulsey, C. T. 1457
Humbert, P. 1962
Hummel, F. C. 1535, 4170, 5269
Humphrey, W. A. 1394
Hung, L. L. 5594, 6611
Hungerford, R. D. 2484
Hunt, E. V., Jr. 3523, 6415, 6428, 6429, 6430, 6785
Hunt, J. 4347
Hunt, R. S. 458, 2478, 3899
Hunter, B. B. 6626
Hunter, I. R. 2748, 2917
Hunter, J. R. 4790
Hunter, L. A. J. 3297
Hunter, T. 2488
Huntley, B. 3820
Huntley, B. J. 3294, 3825, 3827
Hurditch, W. J. 2936
Hurst, G. A. 1059
Hurtado, L. Q. 5738
Husain, A. M. M. 1566
Husaini, S. W. H. 3746
Husch, B. 1544, 2629
Hüser, R. 2375
Huss, J. 2584, 4714
Hussain, R. W. 2857, 4305
Husted, L. D. 4817
Hutchings, P. A. 3033
Hutchins, A. S. 6640
Hutchinson, D. 6149
Hutchinson, I. 2963
Hutchinson, I. D. 701, 4748, 4749, 4780
Hutchinson, T. C. 1264, 1280
Hutnik, R. J. 4051
Hüttermann, A. 4488, 4489, 6524
Huttunen, S. 259, 1122, 1242, 1246, 1411, 5475
Huuri, L. 1116
Huuri, O. 1588
Huxley, P. A. 3312, 6797
Huzulák, J. 234
Hwang, J. S. 3862
Hwang, J. W. 128, 457, 466
Hyche, L. L. 1026
Hyink, D. M. 4827, 6388, 6395, 6404
Hyman, E. L. 5287
Hynninen, P. 6776
Hynson, J. 6768
Hyppönen, M 1727
Hyun, J. O. 2454
Hyun, J. S. 524, 5100, 5142
Hyun, S. K. 65, 128, 456
Hyun, Y. I. 4310
Ianeselli, A. 1194
Ibaraki, A. 2517
Ibarra M., M. 5442
Ibel, K. 2615
Ibrahim, M. 4971
Ice, G. G. 6507, 6775
Idei, T. 5519, 5520, 5521
Idzon, P. F. 5165
Iff, R. H. 4379
Igarashi, Y. 3950, 5739
Igaunis, G. 2132
Iglich, E. 1856
Ignat'ev, A. A. 4370
Ihm, P. 6164
Iimori, I. 5320, 5909
Iimura, T. 2622
Iizuka, M. 6095
Ikebe, K. 1428
Ikeda, S. 5487
Ikeda, T. 1955, 1958
Ikemori, Y. 6595
Ikusima, I. 4608
Iles, K. 3583
Ilgen, G. 4881
Il'ichev, Yu. N. 6286
Illyés, B. 771
Ilonen, P. 174, 324, 6414
Ilstedt, B. 4688, 4690
Il'yasova, V. B. 1378, 3070
Imada, M. 3614
Imagawa, H. 5489, 5517, 5518, 5532, 6019
Imamura, H. 3756
Imamura, K. 6227
Imanaga, M. 771
Imanishi, T. 4341
Imhoff, K. R. 2603
Immel, M. J. 1660, 4908
Imon, Y. 4195, 4196, 4448, 5884
Impens, I. 176, 653, 2836, 3805, 3806
Inagawa, G. 3402, 3496
Inglis, J. M. 6763
Ingoldby, M. J. R. 2969
Ingram, D. L. 2755
Inose, M. 1690, 2658, 5932, 6407
Inoue, A. 5488
Inoue, K. 5982
Inoue, S. 1959
Inoue, T. 6033
Insley, H. 4049
Intari, S. E. 982
International Atomic Energy Agency 5834
International Electric Research Exchange 5441
International Energy Agency 1132
International Labour Organization 4632
International Organization for Standardization 2824
International Plant Propagators' Society 5255, 6222
International Union of Forestry Research Organizations 4152, 4626, 4629, 6225
Intini, M. 1405
Ĭotsova-Baurenska, N. 3685, 5466
Ĭovov, D. 2714
Ipatov, V. S. 4446
Ippongi, T. 5391, 5392
Ipsen, J. D. 455
Iqbal, M. 3743, 6017
Irland, L. C. 1952, 4112
Irmler, U. 3667
Irving, F. D. 879
Isaacson, D. L. 4149
Isachenko, T. I. 1110
Isaev, A. S. 4620, 5111, 5112
Isaev, M. M. 5327
Isaeva, L. N. 5867
Isebrands, J. G. 1616, 3725, 5309
Isely, D. 3017
Ishibashi, H. 655
Ishida, M. 149, 151, 3534
Ishida, N. 287
Ishida, S. 5489, 5515, 5518, 5532, 6000, 6014, 6015, 6019, 6020, 6021, 6028
Ishihara, S. 4767
Ishii, H. 1738, 1739, 1749, 2814, 2895, 3564, 3660, 3661, 3662, 4344, 4882
Ishii, K. 2736
Ishii, M. 3239, 4554
Ishii, Y. 1574, 5281
Ishikawa, M. 3026
Ishikawa, T. 218, 785, 3438, 3789
Ishikawa, Y. 4848, 5259, 5260, 5430
Ishimaru, Y. 287
Ishizaki, K. 5465
Ishizuka, K. 5969
Ishizuka, M. 5960
Isichei, A. O. 6154
Ismail, A. B. 3182
Iso-Iivari, L. 3136
Isobe, T. 3402, 3496
Isomäki, A. 1634, 1640
Issakainen, J. 1584, 1645
Ithnain, A. H. 597
Ito, K. 3178
Ito, M. 3756
Itoh, T. 4956, 5522
Itoo, M. 5869
Itow, S. 4608
Ivanova, A. 6032
Ivanova, E. A. 345
Ivanova, S. Z. 6027
Ivinskis, P. P. 3955
Ivonin, V. M. 158
Ivonis, I. Yu. 904, 6031
Iwagawa, O. 5982
Iwai, P. J. 999, 3189
Iwai, Y. 4730
Iwamoto, M. 655, 2602
Iwatsubo, G. 654, 2745, 2746
Iyengar, E. R. R. 1564
Iyer, J. G. 85, 4711, 5593
Izlar, B. 2226, 2227, 2808
Izyumskiĭ, P. P. 6396
Jaatinen, E. 4165
Jaatinen, E. L. 767
Jackson, B. D. 562
Jackson, D. A. 3408
Jackson, D. S. 140
Jackson, J. F. 3753
Jackson, M. T. 1884
Jackson, R. H. 6207
Jackson, R. M. 422, 1383
Jacobi, W. R. 5067
Jacoboni, A. 980
Jacobs, B. F. 3796

Jacobs, D. F. 1308
Jacobs, L. 5771
Jacobs, R. D. 702, 3431
Jacobs, R. E. 4384
Jacobsen, S. 4776
Jacobson, G. L., Jr. 3794
Jacobson, M. Q. 5416
Jacobsson, T. 4012
Jacoby, P. W. 5726
Jacquet, P. 2990
Jagels, R. 3740
Jäger, H. J. 262, 266, 285, 286
Jager, J. M. de 3827
Jäggi, P. 5121
Jahn, E. 1020
Jahn, G. 3338, 3808, 3810
Jahn, H. 4469
Jahromi, S. T. 2718
Jai Singh 2862
Jain, R. C. 4249
Jain, R. K. 3715
Jain, S. S. 367
Jakes, P. J. 631, 791
Jakobsen, B. F. 3686, 4766
Jakobsson, C. 1232
Jalkanen, R. 1411
Jamaluddin 344, 3889
Jamblinne de Meux, A. de 4138, 5271
James, F. C. 1062
James, J. M. 3397
James, N. D. G. 3277
James, R. L. 957, 2476
James, R. N. 739
Jameson, D. A. 3216
Janardhanan, K. 4218
Janardhanan, K. P. 6547
Jančařík, V. 482, 1933
Jane, G. T. 5539
Jang, S. S. 66
Janík, M. 2626
Janin, G. 1321
Jankowsky, J. 6247
Jano, A. P. 5245
Jans, P. A. 3197
Janse, A. R. P. 2879
Janse, J. D. 4484
Jansen, A. E. 2702, 4988, 5554
Jansen, E. 3105, 5121
Jansen, J. J. 3577
Janssens, F. 3920, 4138
Jansson, P. E. 5250
Janzen, D. H. 1831, 1832, 2396, 4505
Japan, Forest Technical Association 2680
Japan, Forestry and Forest Products Research Institute 5750, 5751, 5752, 5753
Japan, Ministry of Agriculture, Forestry and Fisheries 1529
Japan, Shinshu University 5980
Jarlet, E. 1577
Jarrell, W. 1337
Jarrell, W. M. 3666
Jarrett, R. G. 5064, 5530
Järveläinen, V. P. 766, 1731
Jarvis, P. G. 6, 229, 1104, 1510, 1817, 2822, 3652, 5807
Jasai, V. E. 1172
Jasbir Singh 1892, 1893, 1894
Jasinka, J. 3988
Javeid, G. N. 5001
Jaworski, A. 2764
Jayakumar, M. 3241, 3609
Jaynes, R. A. 63, 968, 5388
Jean, B. 1617
Jędrzejowski, J. 5988
Jeevarathnam, K. 3241, 3609
Jeffers, J. N. R. 606
Jeffers, R. M. 660, 668
Jehne, W. 1478
Jencks, E. M. 560, 3247
Jeng, R. S. 5068, 6653, 6654
Jeník, J. 2626
Jennings, D. H. 2662
Jennings, D. T. 4533, 6717
Jensch, U. E. 266
Jensen, C. E. 2251
Jensen, C. H. 3217
Jensen, H. 6044
Jensen, J. 1355
Jensen, K. F. 2333
Jensen, R. A. 660
Jeon, M. J. 6138
Jeong, J. S. 457
Jérémie, J. 914
Jestaedt, M. 2221, 2222
Jett, J. B. 932, 6583
Jha, M. N. 2322, 2611, 3676
Jhun, K. S. 333
Jiménez Ballesta, R. 2320
Jiménez-Saa, H. 4153
Jin, B. 2564
Jin, H. S. 4792
Jin, K. X. 493, 974
Jin, Y. X. 2684
Joachim, H. F. 2471
Jobin, L. 1461, 5649
Jobin, L. J. 3157
Joensuu, S. 2593
Johann, M. 2568
Johannsen, C. J. 4149
Johansen, R. W. 2970
Johansen, V. 3514
Johansson, M. 5055
Johansson, S. 394
Johansson, T. 117
Johns, A. D. 5149
Johnsen, T. N., Jr. 3219
Johnson, B. 6205
Johnson, D. A. 4361, 5247
Johnson, D. R. 530
Johnson, D. W. 651, 2934, 2943, 6490
Johnson, E. A. 1311
Johnson, E. E. 4587
Johnson, F. L. 4054
Johnson, G. C. 954
Johnson, J. A. 2790, 5823
Johnson, J. D. 5974
Johnson, K. W. 6041
Johnson, N. F. 1949
Johnson, P. C. 2535
Johnson, P. N. 6068
Johnson, P. S. 669, 2064, 2069, 3431
Johnson, R. E. 2589
Johnson, R. W. 588
Johnson, T. A. 2875
Johnson, W. C. 5169
Johnson, W. L. 2880, 4328
Johnstone, R. A. 4088
Johnstone, W. D. 3493, 5910
Joiner, J. N. 697, 2755
Jokela, J. J. 2455, 5308
Jokinen, K. 1925
Jokinen, P. 1653
Jokinen, R. 79
Jones, A. R. C. 766, 5410
Jones, E. B. G. 2662
Jones, J. C. 6542
Jones, J. P. 4513
Jones, K. 4915
Jones, N. 6241, 6279, 6282
Jones, P. G. 1216
Jones, R. M. 1188
Jones, S. C. 3121
Jongh, O. de 4843
Jonkers, D. A. 548
Jonkers, W. 865
Jonkers, W. B. J. 4750
Jonsson, B. 606
Joranger, E. 282
Jordan, C. 3664, 6482, 6554
Jordan, C. F. 851, 4602
Jordan, D. C. 5231
Jordan, G. A. 3521
Jordan, P. A. 1055
Jordon, C. F. 3246
Jorgensen, J. E. 4268
Joseph, R. N. 5102
Joshi, A. P. 4443
Joshi, H. B. 4118
Joshi, I. J. 6464
Jourdan, J. 1802
Joustra, P. A. 5592
Jowett, D. 1616
Joyce, P. M. 769, 6421, 6422
Ju, J. S. 77
Juárez Gutiérrez, V. M. 4681, 5319
Jubenville, A. 771
Judge, B. J. 6218
Juerging, P. 1072
Juhásová, G. 3077
Jun, K. S. 936
Juneau, A. 5708
Jurczak-Latocha, I. 3693
Jurgensen, M. F. 442
Jutte, S. 12
Jůva, K. 2628
K. C. Jones & Associates Ltd. 6253
Käärik, A. 4988
Kabalin, S. I. 6264
Kabaya, H. 5761
Kaburagi, J. 2834, 2982, 2983, 2984
Kachhwaha, T. S. 5954
Kaczmarek, W. 3222
Kadambi, K. 6270
Kadłubowski, W. 6714
Kageyama, P. Y. 3856
Kahn, F. 3435
Kaila, S. 108, 6328
Käilidès, D. 876, 4734
Käilidès, D. S. 4734
Kaimbacher, M. 6489
Kaiser, H. F. 771, 6245, 6512
Kaisla, K. 1245, 2334
Kaitala, V. 2388
Kaji, M. 5560
Kajihara, M. 4802, 4805, 5405, 5923, 5924, 6379
Kajimoto, T. 217
Kakubari, Y. 2380
Kakuliya, G. A. 3266, 5687
Kalandadze, A. N. 2997
Kalavati, C. 5704
Kälble, F. 4646
Kalchev, P. 2883, 5431
Kalgraf, K. 767
Kälin, W. 2608
Kalinin, M. I. 322, 909
Kallio, S. 1246
Kallio, T. 1393
Kalo, P. 392
Kaludin, K. 5921
Kalutskiĭ, K. K. 50, 2187
Kam, M. de 474, 3106, 4485, 5079, 5080, 5614
Kamaltinov, G. Sh. 6304
Kamara, A. M. 1391, 1392
Kamaruzaman, J. 5216
Kameswaran, L. 3757
Kameyama, A. 3818
Kaminaka, S. 5320
Kaminski, R. J. 1857
Kamis, A. 602, 821
Kamitani, T. 373
Kammenga, J. J. 5377
Kampert, M. 5051
Kamra, S. K. 4694, 6287
Kamstra, L. D. 3211
Kamweti, D. M. 4680
Kanamitsu, K. 494
Kanauchi, E. 2311
Kanazawa, Y. 1698, 3433, 4716
Kandasamy, C. 1947
Kandel, G. P. 6434
Kandya, A. K. 3345
Kane, W. 138
Kanekawa, T. 1562
Kaneko, S. 5069
Kaneko, T. 2715, 3043, 5869, 6095
Kang, H. 5570, 5573
Kang, S. W. 5342
Kangas, J. 6353
Kanninen, M. 19, 174, 324, 326, 4312, 6414
Kanno, T. 1607
Kanuma, K. 6192
Kanzaki, K. 4320
Kao, C. 2864
Kaosa-ard, A. 718, 6313
Kapinga, I. 3256
Kaplan, J. 5856, 5917
Kaplan, R. 2060
Kaplan, S. 2060
Kapoor, M. L. 2458, 3067
Kappeyne, J. 4852
Kapustinskaĭte, T. 6339
Karaban', R. T. 4370
Karameris, A. 771
Karaszewska, M. 693
Karaziya, S. P. 6319
Karban, R. 985
Karbivnichiĭ, A. S. 6517
Karhu, I. 581
Karhu, M. 1246
Kärkkäinen, M. 2, 1671, 1769, 5912, 6525
Karlikowski, T. 2357
Karlsson, I. 6303
Karnosky, D. F. 251, 5333
Karow, A. 1492
Karpachevskii, L. O. 2009
Karpinski, C., Jr. 509
Karrfalt, R. P. 6296
Karschon, R. 662, 2124, 2218, 2434, 5865
Karstedt, P. 5851, 5852
Kartasubrata, J. 1515
Kartelev, V. G. 913
Kartsev, A. D. 94
Kasahara, R. 27
Kashapov, R. Sh. 6061
Kashyap, S. D. 3387
Kasimir, A. 947
Kassaby, F. Y. 1397, 1972
Kassas, M. 591
Kassier, H. W. 763
Kataev, O. A. 4920, 5088
Katagiri, K. 2680, 5251, 6131
Katagiri, S. 1738, 1739, 1749, 2814, 2895, 3564, 3660, 3661, 3662, 4344, 4882
Katainen, H. S. 1240, 1245, 2330
Katayose, T. 6025
Katerere, Y. 3937, 6146
Katererre, Y. S. 1885
Kato, H. 3786, 5224
Kato, M. 2935
Katoch, B. S. 4419
Kätsch, C. 2266
Katsuro, H. 5767, 5768
Katsuta, M. 1562, 2680, 5869, 6095
Katte, H. H. 2306
Katz, S. 5856
Kaufmann, M. R. 3641
Kaul, O. N. 2850
Kaul, R. N. 2704, 2800, 3676
Kaul, V. 5001
Kaule, G. 1072
Kaumi, S. Y. S. 4192
Kaunisto, S. 1164, 1166
Kaupp, W. J. 3198, 5701, 5702, 6727
Kawabata, K. 3846, 4449
Kawabata, S. 6479
Kawada, H. 5882, 5970
Kawaguchi, M. 2981
Kawahara, T. 1698, 2839, 5933, 5968
Kawamura, M. 5224
Kawamura, T. 1909, 1910, 6084, 6095
Kawana, A. 651, 2742, 2743
Kawanabe, S. 4727, 4728
Kawanobe, K. 5872
Kawase, K. 5465
Kawasoe, T. 5879
Kaya, H. K. 5137, 6724
Kays, S. J. 5388
Kazama, Y. 4321, 4421
Kazanfarova, V. K. 6198
Kazda, M. 5985
K"drev, T. 6475
Kean, V. 400
Kean, V. M. 3849
Keane, P. J. 470, 471, 3912
Kearby, W. H. 12, 2558
Kearney, P. C. 5703
Kearney, W. M. 6499
Kechel, H. G. 2530
Keding, W. 22
Keeler, B. 4148
Keipi, K. 209, 1589
Keita, J. D. 2712
Keith, C. T. 2980, 3736
Keith, J. W. 1283
Kellas, J. D. 5064, 5530
Keller, H. M. 654, 6779
Keller, J. E. 2617

Keller, R. 1321, 2797, 2801
Keller, S. A. C. 6224
Keller, T. 260, 2343, 4931, 4938, 5239
Keller, W. 4999
Kelley, D. P. 564
Kelley, R. S. 4231
Kelley, W. D. 3092
Kellison, R. C. 5944
Kellman, M. 3672, 5490, 5491, 6483
Kellogg, R. M. 3058
Kellomäki, S. 19, 174, 303, 323, 324, 325, 326, 570, 574, 580, 581, 584, 748, 1091, 1243, 1647, 1652, 1653, 1692, 1734, 1776, 1777, 2148, 2308, 2330, 4312, 6307, 6377, 6414
Kelly, D. L. 5791
Kelly, J. 3802
Kelly, J. M. 2934
Kelly, P. M. 1124
Kelpsas, B. E. 3477
Keltikangas, M. 196
Kemp, A. G. 4625
Kenerley, C. M. 6678
Keng, R. S. L. 2979
Kenlan, K. W. 3864
Kennedy, C. E. J. 488
Kennedy, H. E., Jr. 713, 1223
Kennel, R. 788
Kenneweg, H. 254, 4084
Kenney, D. S. 3881
Keogh, R. M. 5319, 5415
Ker, M. F. 3490, 5409
Kera, H. 223
Kercher, J. R. 1269
Kerckhove, G. A. vande 1833
Keresztesi, B. 771
Kerruish, C. M. 4753, 4763
Kessler, E. 1470
Kessler, K. J., Jr. 12
Kettela, E. G. 3144
Keys, R. N. 2122
Keyserlingk, H. von 3192, 5106
Khalil, M. A. K. 3050, 3054, 5448
Khaliq, A. 3248
Khalique, A. 4564
Khalisy, M. H. 1398
Khan, A. A. 284, 5538
Khan, F. W. 4288
Khan, M. I. H. 4408
Khan, M. I. R. 1539, 2436, 4442
Khan, M. M. 4295
Khan, S. 4408
Khan, S. M. 1978, 1979
Khan, S. N. 4248, 6672
Khan, S. R. 1930
Khan, T. N. 5116
Khanchandani, M. S. 2705
Khanna, P. K. 4914, 5456
Kharbuli, P. P. 4461
Khare, N. 1805
Khare, P. K. 3420
Kharin, N. G. 5387
Kharitonov, I. A. 4011
Khar'kova, N. I. 5492
Kharlamova, N. V. 1553
Khatamian, H. 681
Khatta, V. 4419
Khattak, G. M. 2766, 3248, 4110
Khazraji, S. 6288
Khirwar, S. S. 4791
Khlebopros, R. G. 5112
Khokhlina, E. V. 904, 6031
Khoshoo, T. N. 2695
Khosla, P. K. 3386, 4221, 5812
Khramov, N. S. 75
Khristov, B. 2919
Khristov, Kh. P. 5440, 6405
Khristova, G. 5483
Khromova, T. V. 1580
Khurana, D. K. 2999
Kibasova, E. N. 3367
Kickert, R. N. 1267
Kidd, F. 6605
Kidd, F. A. 946
Kido, H. 4552
Kie, J. G. 3230
Kiefer, H. 298
Kielbaso, J. 1491
Kielbaso, J. J. 1491, 1492
Kielland-Lund, J. 2435
Kiernan, J. M. 6604
Kierulf, C. 5013
Kiesel, K. 5713
Kikkawa, J. 658
Kikuma, M. 5282
Kikuti, H. 1901, 6081, 6082
Kikuzawa, K. 1629, 1702, 3566, 4314, 6360
Kile, G. A. 958, 5064, 5530, 6437
Kilian, W. 274, 804
Kilimchuk, N. D. 6266
Kilkki, P. 144, 152, 153, 6382
Killham, K. 2952
Killilea, D. M. 6342, 6343
Killingbeck, K. T. 1069
Kim, C. H. 3845
Kim, C. S. 936, 3844, 3845, 3862, 4209
Kim, D. K. 481
Kim, D. S. 936
Kim, H. J. 289
Kim, H. K. 5011
Kim, I. H. 4982
Kim, J. H. 66, 73, 936, 4310
Kim, J. S. 4209, 4369
Kim, J. W. 103
Kim, K. D. 5185
Kim, K. H. 479, 4407, 5076
Kim, K. S. 526
Kim, O. K. 103
Kim, O. R. 4209, 4369
Kim, O. S. 2522, 4526
Kim, S. I. 124, 148, 167, 480, 4217, 4922
Kim, T. H. 77, 557, 558
Kim, T. W. 4922, 4923, 4924
Kim, Y. G. 103
Kim, Y. M. 402
Kim, Y. S. 420, 6615
Kim, Z. S. 5012
Kimbrough, J. W. 1930
Kimmins, J. F. 239
Kimura, M. 551
Kimura, R. 5487
Kinashi, K. 764
Kincaid, D. T. 1753
King, C. J. 2566, 3175, 4502, 6720
King, D. 6435
King, D. A. 2060
King, K. F. S. 6796
Kingsbury, P. D. 5742, 5743
Kingston, D. G. O. 2594
Kinnaird, J. W. 4547
Kinnunen, K. 99, 1178, 6332, 6383
Kinoshita, Y. 1762
Kinugasa, T. 5882
Kinzer, H. G. 6643
Kinzler, M. 5845
Kio, P. R. O. 4137
Kiprianov, A. I. 3367
Kira, T. 3670
Kirby, C. L. 5245
Kirby, D. R. 5728, 5729
Kirby, L. J. 299
Kirby, M. W. 1207
Kirby, S. G. 959
Kirby-Smith, J. H. 5905
Kirch, P. V. 1869
Kirk, S. A. 6675
Kirk, T. K. 2662, 5607
Kirkman, R. L. 1057
Kirkpatrick, J. B. 5212
Kirst, G. 5848
Kiselev, V. V. 5111, 5673
Kiselevskiĭ, R. G. 5849
Kishchenko, I. T. 6518
Kishi, K. 1327, 4962
Kishi, Y. 3176
Kishida, A. 6095
Kishihara, N. 3239, 4554, 6173
Kishimoto, J. 450, 5545
Kisou, J. 6288
Kiszka, J. 863
Kitagawa, K. 1707
Kitahara, E. 6160, 6161
Kitahara, H. 2658, 6176
Kitahara, I. 1797
Kitahara, R. 3384
Kitamura, M. 655
Kitamura, Y. 6177
Kitao, K. 215, 4655, 5187, 5188
Kitaoka, A. 6425
Kiziroglu, I. 5160
Kjellsen, A. 777
Kjersgård, O. 2957, 3462
Kjersheim, J. 777
Klaassen, R. 2789
Klaer, W. 5262
Klass, C. 1001
Klečka, A. 2628
Klein, E. 3449
Klein, H. 285, 286, 5845
Klein, M. 5848
Klein, W. H. 2299
Kleiner, E. F. 3876
Kleinig, D. 2409, 2414, 2415
Kleinschmit, J. 2681, 3840
Klemmedson, J. O. 5724
Klemp, C. D. 3506
Klemperer, W. D. 769, 3335, 4862
Klen, T. 6353
Klepac, D. 770
Klimetzek, D. 2549, 2574, 5667
Klimov, R. N. 4941
Kling, G. J. 5875
Klinge, H. 6481
Klinka, K. 4434
Klippel, G. 2089
Klock, G. O. 4041, 5769
Klocke, J. A. 5525
Kloke, A. 276
Klose, F. 2052
Kluczyński, B. 5470
Klug, J. T. 6116
Klug, M. J. 2526
Knabe, W. 281
Knapp, A. K. 233, 4723
Knapp, R. 6570
Knaus, R. M. 3704
K"nev, D. 6316
K"nev, K. K. 3425
Knigge, W. 897
Knight, D. H. 1807, 1873
Knight, R. S. 2433
Knighton, M. D. 605, 849
Knipe, O. D. 1354
Knipscheer, H. C. 5205
Knoerr, K. R. 4339
Knopp, T. B. 1092
Knowe, S. A. 784
Knowles, B. 5497
Knowles, P. 1366
Knowlton, D. J. 3594
Knowlton, S. 3069
Knudsen, G. R. 4482
Knudson, D. M. 1075
Knutell, H. 742
Knutson, D. M. 485
Ko, J. H. 4527, 5141
Ko, M. K. 4527
Kobashi, S. 655, 5173, 5174
Kobayashi, A. 3755
Kobayashi, C. 6171
Kobayashi, F. 2680, 5251
Kobayashi, K. 1973
Kobayashi, K. D. 2390
Kobayashi, S. 1710, 2878, 3534, 3536, 3567, 4052, 6403
Kobayashi, T. 2680, 6095
Kocaoglu, D. F. 635, 636
Koch, E. 2183
Koch, N. E. 4077
Koch, W. 6036
Kochenderfer, J. N. 3469
Kochkar', N. T. 5591
Kochkin, G. V. 1673
Koczanowski, A. 1828
Kodaira, T. 372
Kodama, S. 1899
Koehler, C. S. 1437
Koenig, A. 2121
Koerber, T. W. 1036
Koester, U. 6441
Kofman, P. D. 2788, 3369
Koger, J. L. 4379
Kohl, D. H. 3666
Kohler, V. 771
Kohlstock, N. 1636, 3495
Kohnle, U. 5667
Koide, T. 2260
Koike, A. 1708
Koike, M. 4673
Koike, T. 2892
Kojima, K. 5972
Kojima, T. 5970
Kokkonen, M. 86, 87
Kolar, C. A. 5776
Kolarov, D. 2883
Kolbah, D. 399
Kolbe, H. 3203
Kölber, M. 2495
Kolesnikova, R. D. 335, 391
Kollist, P. 3565
Kollmann, F. 5262
Köllner, V. 3987, 3999
Kolomiets, N. G. 5113
Kolovskaya, E. F. 905
Kolster, H. W. 68, 220, 845, 2805, 5313, 5314
Koltzenburg, C. 6232
Komanich, I. G. 3063
Komarov, I. A. 1580
Komdeur, J. 4988
Komiya, T. 4420
Komiyama, A. 3438, 3439, 3532, 4721
Konaka, H. 15
Kondakov, Yu. P. 5099
Kondas, S. 715, 2815, 3526, 6456
Kondo, E. 1453, 1964
Kondo, T. 3044
Kondo, Y. 369
Kondratyuk, E. N. 2118
Konev, G. I. 6632
Kong, Z. C. 1863, 1864
König, A. 2116, 2121
König, E. 2510, 2549, 2571
Konnov, A. A. 232
Konohira, Y. 191, 770, 1705, 2271, 2272, 3576
Kononkov, F. P. 5983
Koo, C. D. 411, 420, 4456
Koo, Y. B. 456
Koono, K. 5586
Koop, H. 2430, 3257, 4988
Kopp, D. 5230
Kopp, S. 3415
Koppe, T. F. 4051
Koppel', A. T. 6510
Koptev, V. I. 1071
Korczyński, I. 6705
Korhonen, J. 4643
Kormanik, P. P. 414, 2947, 3867
Kornblau, M. L. 5429
Korobov, I. A. 6266
Korpilahti, E. 6414
Korsch, J. 4013
Korsgaard, S. 6234
Korzhitskaya, Z. A. 1635
Kosche P., R. 750
Koshelevskiĭ, V. D. 4046
Koshel'kov, S. P. 5887
Koshika, K. 5280, 6192
Koski, V. 53, 58, 4689, 6291, 6537, 6589
Kosobudskaya, L. M. 4414
Kosov, E. P. 1451
Kossuth, S. V. 2811, 2813, 3385
Kostadinov, K. 6316
Kostamo, J. 2317
Kostenko, A. G. 147
Koster, R. 1551, 2699
Kostermans, A. J. G. H. 1843, 1844, 1845, 3009, 3010, 3011
Kostia, T. 2357
Kostichka, C. J. 2567
Kostka, S. J. 384
Kotenko, A. G. 4521
Kothari, I. L. 1792
Kothekar, V. S. 3375
Kotisaari, A 6426

Kotov, M. M. 759
Kottke, I. 5595
Kotwal, P. C. 6601
Kouris, M. 207
Kovalev, A. G. 6003
Kovanda, M. 4431
Kowalewski, G. 1595, 5574
Kowalski, T. 1416, 4466, 6629, 6670
Koyo, J. P. 4174
Kozak, A. 1193, 2670, 3580
Kozarževskaja, E. 6681
Kozin, E. K. 6399
Kozlov, M. V. 3131
Kozlova, L. M. 6356
Kozlowski, T. T. 6, 236, 1752, 3613, 4940, 5553, 5807
Kozobrodov, A. S. 3445
Krajewski, A. 3416
Krajina, V. J. 4434
Kral, F. 3363
Krall, J. H. 1048
Kramer, C. F. 3610
Kramer, C. L. 2662
Kramer, E. 5646
Kramer, H. 732, 769, 770, 2266, 5229, 6330
Kramer, W. 2393, 4770
Krames, U. 2092
Krapfenbauer, A. 5839
Krasovskiĭ, K. F. 6812
Krass, C. J. 5611
Kraszewska, M. 6679
Kraus, J. F. 934, 4481
Krause, C. R. 3699
Krause, H. H. 80, 652, 2170, 3423
Kravchenko, V. I. 3517
Kravtsov, B. A. 6238
Kravtsov, V. V. 6791
Krawczyk, J. H. 2567
Krayenbühl, S. 1140
Krebs, E. 2591
Křeček, J. 654
Kremer, A. 2801, 3348, 3730
Kresovich, S. 601
Kress, L. W. 292, 2958, 5482
Kreutzweiser, D. P. 5742
Kreysa, J. 650, 3314, 5943
Krichun, V. M. 6400
Kriebel, H. B. 5299
Krieg, A. 2046
Kriegel, H. 1612
Kriek, W. 3039
Krinitskiĭ, G. T. 42
Kripal Singh 4791
Krishna Murthy, A. V. R. G. 619
Krishnamurthy, P. 6456
Krishnaswami, S. 1685, 3064, 3852, 4200, 4451
Kristanov, K. 769
Krivolutskii, D. A. 1758
Krivosheina, N. P. 3919
Krochmal, M. 657
Król, H. 3617
Kroll, J. C. 3231
Kronberger, W. 270, 280
Kronfellner-Kraus, G. 655
Kroodsma, R. L. 4549
Kropelin, W. K. 6397
Kropp, B. R. 417, 1916, 3068
Kross, M. 3545
Kroth, W. 575, 768, 4714, 4857
Kr"stanov, K. 6401
Kr"stanov, K. N. 6361
Krstinić, A. 405
Krueger, W. C. 1975
Krugman, S. L. 658, 2107
Krügner, T. L. 418
Krupa, S. V. 4935
Krupinsky, J. M. 3903
Krushev, L. T. 1460
Krutz, G. W. 4265
Krutzsch, P. 5572, 6592
Krylov, G. V. 50
Krylov, V. N. 2351
Krystek, J. 3917, 6711
Kryukova, E. A. 1418
Krywienczyk, J. 4475
Krzakowa, M. 6592
Krzan, Z. 1412, 1415
Ku Azmi, K. A. 4795
Kuang, H. Y. 5130
Kubin, E. 2309
Kubler, H. 85
Kubo, I. 5525
Kubo, T. 2680, 2834, 2982, 2983, 2984
Kučera, L. J. 895
Kudo, H. 5542
Kuen, H. 2619
Kueppers, K. 1268
Kufeld, R. C. 3220
Kuguru, F. M. 4631
Kuhlman, E. G. 949, 1404, 2487
Kuhns, L. J. 2203
Kujala, M. 2257
Kukachka, B. F. 5505, 5506, 5507, 5508, 5509, 5510, 5511, 5512, 5513, 5514, 6018
Kukor, J. J. 5677
Kulagin, A. Yu. 4399
Kulakov, V. E. 1787
Kulakova, O. Yu. 903
Kulcke, J. 5643
Kulkarni, H. D. 3007
Kulkarni, R. K. 1402, 6650, 6651
Kulkarni, S. 3111, 3886
Kumar, A. 1151
Kumar, P. 4296
Kumar, P. H. 2021
Kumaravelu, G. 404
Kumari, L. 6602
Kumi, J. W. 3304
Kummerow, J. 1195, 1325, 1332
Kung, F. H. 5402, 5571, 5589
Kunimi, Y. 5692
Kunkel, P. 3623
Kunkel-Westphal, I. 3623
Künneth, W. 5845
Kuntz, J. E. 12
Kunze, K. 830
Kuoch, R. 2297
Kupchinskiĭ, V. L. 5868, 6267
Kuprijanov, A. I. 4144
Kurahashi, A. 5584
Kurakin, B. N. 43
Kurashvili, B. E. 3266
Kurimo, H. 6453
Kurinobu, S. 2715, 3043
Kurkela, T. 469, 1929, 1932, 2483
Kurokawa, Y. 2276
Kuromaru, M. 4974
Kurosaki, T. 3533
Kurotori, T. 5970
Kurt, A. 2281, 2282
Kurtz, W. B. 1628
Kushal Singh 3758
Kushalapa, K. A. 2731
Kutschera, L. 6226
Kutsevalov, M. A. 6265
Kuuluvainen, J. 1534
Kuusela, K. 172, 764, 765, 2284
Kuwahara, Y. 5718
Kuziv, R. F. 42
Kuz'menkov, M. V. 6394
Kuz'michev, E. P. 6091
Kvist, K. 1232, 1239
Kwon, K. W. 936
Kwon, O. B. 4807
Kyalina, L. V. 904, 6031
Kydar, M. M. 2762
Kydonieus, A. F. 2039
Kylmänen, P. 1904
Kyttälä, T. 123
Kyuma, K. 4120
La, Y. J. 466, 479, 480
Laajalahti, T. 108
Laakkonen, O. 1589, 2071
Laar, A. van 17, 154, 652, 763, 3501, 5925, 5936
Laasasenaho, J. 2243, 6381
Laatsch, W. 6167
Laban, P. 652, 6434
Labaznikov, B. V. 6786
Labelle, R. 4618
LaBonte, G. A. 1009
Labosky, P., Jr. 3504
Labous, P. 5797
Lacaze, J. F. 2120
Lacey, C. J. 3723
Lachica, M. 750, 2326
Lachkova, V. 5523
Lackner, A. J. 6496
Lacky, M. 4230
Ladeira, H. P. 2104, 2291, 2292
Laderman, C. 4294
Ladiges, P. Y. 2944, 3677
Ladrach, W. E. 5356
Laflamme, G. 5832
Lafleur, L. 4691
Lagemann, J. 5181, 5207
Lagerstedt, H. 6373
Lähde, E. 1611, 1613, 1615, 1713, 2179, 6418
Lahiri, A. R. 2501
Lahtinen, A. 2243
Lai, K. K. 1159
Laidly, P. R. 3541
Laine, J. 76
Laine, K. 5475
Laine, L. 1713
Lakshmanan, K. K. 4218
Lal, B. 288
Lal, I. P. 5001
Lal, P. 4779
Lalayan, N. T. 1870, 3036
Lalonde, M. 430, 3388
LaMarche, V. C., Jr. 1124
Lamba, B. S. 1985
Lambe, R. C. 6644
Lambert, D. H. 3390, 3868
Lambert, J. D. H. 3665, 4885
Lambert, M. J. 857, 2070, 5460, 5461
Lambeth, C. C. 5316, 6236
Lambeth, R. 5740
Lamont, B. B. 977
Lampkin, A. J., III 4055
Lamprecht, H. 4073, 5262
Lamson, N. 3556
Lamson, N. I. 1726, 5378
Lan, S. G. 1799
Lan, Y. 4793
Land, S. B., Jr. 2142, 6596
Landolt, W. 4936
Landrum, L. R. 348
Landsberg, J. 5540
Landsberg, J. D. 313
Lane, B. H. 6306
Lane, C. L. 4350
Lane, P. B. 4263, 6344
Lanford, B. L. 2791, 4269
Lang, G. E. 240, 2938, 5444
Lang, H. Q. 1881
Lang, J. M. 3017
Lang, K. J. 6036, 6670
Lang, R. 6756
Langdon, K. E. 4133
Lange, C. J.de 4988
Lange, O. L. 1217, 1510, 5231
Langenegger, H. 2289
Langevin, R. A. 625
Langkramer, O. 6465
Langridge, Y. N. 475
Långström, B. 3164, 6708, 6709
Lanier, G. N. 3172, 3197
Lanier, L. 1319, 1323, 2801
Lanina, V. V. 576
Lanini, W. T. 6334
Lankford, L. A., Jr. 6428
Lanly, J. P. 4641
Lanner, R. M. 2447
Lantican, D. M. 4185
Lantukh, V. S. 322
Lantz, C. W. 2067
Lanz, G. 2609
Lanz, W. 4733
LaPage, W. F. 4074, 4581
Lapierre, L. E. 1968
Laplace, Y. 2217
Lappalainen, T. 1240
Lappi, J. 6426
Lapping, M. B. 1077
Larcher, W. 1210
Largent, D. L. 4459, 4460
Larsen, F. 5250
Larsen, J. A. 2037
Larsen, J. B. 2223, 3352, 6073
Larsen, M. J. 442, 5607
Larsen, V. 4219, 5250
Larson, B. C. 2817
Larson, F. R. 2663
Larson, G. B. 1075
Larson, P. R. 3730
Larsson, M. 1620, 1621
Larsson, S. 3115
Laryukhin, G. A. 4280
Lashomb, J. H. 993
Lasmanis, J. 3700
Lassiter, C. J. 4032, 5747
Last, F. T. 656, 680, 3874
Lastoria, M. 1850
Lastres Lastres, L. 4122
Latham, D. J. 2353
Latimer, R. B. 4691
Lau, B. T. 1073
Lauga, J. 6125
Lauterbach, P. 3475
Lavallée, A. 6747
Lavarelo, Y. 6209
Laven, R. D. 1301
Lavender, D. P. 2759, 3049
Lavery, P. B. 4869
Lavieren, L. P. 4150
Lavigne, D. R. 3254
Lavoie, G. 1550
Lavrenko, E. M. 1110
Lavrova, V. A. 6462
Lavy, T. L. 6493
Lawrence, H. D. 3137
Lawrence, M. I. G. 2953
Lawrence, R. K. 1012
Lawrie, A. C. 4462
Laws, D. E. 1036
Lawson, D. L. 2526
Lawson, G. 5837
Lawson, G. J. 2854
Lazarov, E. 6384
Lazarte, J. E. 6301
Lazzeri, M. 4774
Lea, J. 6647
Lea, R. 652, 1156, 2750, 4707
Leadem, C. 4692
Leaf, A. L. 237, 238, 4707
Leak, W. B. 175, 708, 3025, 3603
Leakey, R. R. B. 680
Lear, D. H. van 2717, 4132, 4946
Lear, M. 4592
Leary, R. A. 193, 3542
Leather, S. R. 492, 2521
Leatherberry, E. C. 1097
Leatherman, D. A. 5630
Lebedev, V. E. 6393
Lech, A. 4154
Lech, T. 5345
Lechevalier, H. A. 431
Lechevalier, M. P. 431
Lechowicz, M. J. 5649
Ledig, F. T. 1374, 1902
Ledinský, J. 3399
Lêdo, A. A. M. 2140
LeDoux, C. B. 1725
Ledoux, P. 5319
Lee, B. S. 396, 481
Lee, C. H. 6584
Lee, C. K. 161, 5076
Lee, C. L. 1569, 1670
Lee, C. Y. 18
Lee, D. K. 526
Lee, D. W. 6530
Lee, H. K. 124, 148, 160, 161, 167, 4807
Lee, H. P. 2522
Lee, H. R. 5689
Lee, H. S. 1158, 1159
Lee, J. S. 65
Lee, K. J. 66, 349, 411, 420, 3875, 4310, 4456, 4694, 4924, 6615
Lee, K. N. 4983
Lee, K. W. 466
Lee, K. Y. 5011
Lee, M. S. 5342
Lee, R. S. 3625
Lee, S. H. 5185
Lee, S. K. 73, 411
Lee, S. M. 2541
Lee, S. S. 602, 3078, 5043
Lee, T. B. 4172

Lee, T. H. 1010
Lee, W. K. 77
Lee, W. Y. 103
Lee, Y. J. 396, 3601
Leech, J. W. 3571
Leege, T. A. 5736
Leek, N. A. 2787, 3487
Leek, N. R. M. 944
Leelavathi, P. 6545
Legge, A. 1252
Legge, G. J. F. 2944
Leggett, P. A. 4595
Lehikoinen, T. 768, 5955
Lehman, P. S. 5684
Lehman, R. D. 2554
Lehnhausen, H. 4155
Lehotsky, K. 4569
Lehrer, G. F. 3093
Lehti, J. P. 2521
Lehtiö, H. 860
Lehto, J. 1546
Leibundgut, H. 2209, 3317, 4944
Leiby, R. 2203
Leigh, E. G., Jr 5808
Leikola, M. 570, 656, 1137, 1646
Leinert, S. 740
Leiros de la Peña, M. C. 4394
Leiser, A. T. 587
Leitch, A. F. 3233
Leitch, C. J. 4759
Leitch, J. V. 139
Leite, A. M. C. 6324
Lelles, J. G. de 888
Lemasson, C. 1547
LeMaster, D. C. 5253
Lemeur, R. J. P. 653
Lemin, R. C., Jr. 3308
Lemke, J. 3552
Lemmetyinen, M. 1178
Lemmien, W. A. 1595, 5574
Lemons, T. 1089
Lendzian, K. J. 263
Lenhart, J. D. 6378, 6385, 6388, 6395, 6404, 6408, 6409, 6423, 6424
Lenna, P. Di 1408
Lenski, R. E. 1938
Lenteren, J. C. van 1420
Leonard, R. E. 4582, 4584
Leonardi, S. 6486
Leone, I. A. 6792, 6793
Leonhardt, K. W. 6277
Lepistö, M. 2457
Lepoutre, B. 1721
Leskó, K. 1038
Leslie, A. J. 597, 6227
Lesnikov, B. F. 5492
Lettl, A. 6465
Leuschner, W. A. 1105
Leuthold, C. 2297
Lev-Yadun, S. 6201, 6202
Levack, H. H. 141
Leverenz, J. 3652
Lévesque, Y. 5832
Levin, E. D. 907, 6026
Levin, M. 4318
Levno, A. 4550
Levy, G. F. 4934
Levy, J. F. 2659, 2662
Lewis, F. B. 3989, 3992, 5135
Lewis, H. T. 1312
Lewis, J. W. E. 3297
Lewis, L. 3925
Lewis, R. A. 2199
Lex, P. 2360
Ley, C. 2678
Li, C. H. 3636
Li, C. Y. 6640
Li, P. R. 1944
Li, Q. Y. 2684
Li, W. Y. 1867
Li, X. B. 1668
Li, Y. 4793
Li, Y. F. 1786
Liang, C. J. 493, 974
Liang, M. Y. C. 1943
Liang, Y. L. 1867
Liang, Y. M. 1883
Liao, J. C. 3018, 3019, 3020
Libardi, P. L. 3620
Libbey, L. M. 3168
Libby, W. J. 2974, 3850
Lichtenegger, E. 6226
Lichtenwald, G. 5161
Lidstone, R. G. 3159
Lieberman, D. 4398
Liebhold, A. M. 3946
Liebig, G. 2507
Liebold, H. E. 2338, 3689
Liebscher, H. J. 5250, 6780
Liengme, C. A. 6252
Liese, W. 2509, 4926
Lieth, H. 1197
Lieutier, F. 514, 515
Liew, T. F. 4804
Likussar, W. 255
Lilja, A. 1922
Lillesand, T. M. 2663, 4328
Lim, B. H. 3236
Lim, C. S. 48
Lim, K. P. 3993
Lima-de-Faria, A. 1348
Lima, R. A. de 2426
Lima, W. de P. 3644
Lima, W. P. 654
Lime, D. W. 598, 1097
Lin, D. 4473
Lin, F. P. 1696
Lin, Z. K. 1800
Lindahl, K. Q., Jr. 6741
Lindberg, S. E. 3706
Lindegren, J. E. 5137
Linden, D. S. 625, 2663, 3581
Linder, S. 1765, 1819
Linderman, R. G. 5044, 5598
Lindgren, B. S. 3990, 3991
Lindgren, D. 6591
Lindgren, K. 6272
Lindow, S. E. 5257
Lindquist, C. H. 1153, 2727
Lindquist, O. H. 4494, 5227, 6111
Lindqvist, O. V. 570
Lindroth, A. 1733
Lindsay, J. M. 4329
Lindström, A. 6310, 6746
Lindström, K. G. 6251
Lines, R. 3046, 4056, 5478
Linhart, Y. B. 1366, 1367, 1376
Linit, M. 1453, 1964
Linit, M. J. 1017
Linkins, A. E. 3073
Linnaluoto, E. T. 3136
Linnane, J. P. 3982
Linnard, W. 46, 4168
Linnilä, K. 1713
Linskens, H. F. 3753
Lint, M. J. 5695
Linton, D. A. 1448, 5691
Lipaeva, L. I. 1790
Lipas, E. 1524, 2150, 6454
Liphschitz, N. 6201, 6202
Lipinsky, E. S. 601
Liroff, R. A. 2020
Lisk, J. C. 3193, 6115
Lisov, N. A. 5716
Liston, A. D. 1032, 3970
Listov, A. A. 75
Litav, M. 6067
Little, D. W. de 1438, 5114
Little, E. C. 5493
Little, E. L. 6210
Little, E. L., Jr. 4601
Little, S. 4078
Litvinchuk, L. N. 3269
Litvinov, A. I. 2997
Litvinova, V. B. 904, 6031
Litzow, M. 1493, 4094, 4101
Liu, C. J. 763, 3567, 4633
Liu, L. D. 1799
Liu, T. S. 2799, 3018, 3019, 3020
Liu, X. 4793
Liu, Z. Y. 5186
Livingston, W. H. 4468, 6643
Ljungkvist, H. 5668
Ljungquist, P. O. 6614
Lloyd, F. T. 2852
Lloyd, M. 985, 2504
Lo, C. T. 1943
Lo, S. L. 3577
Lo, W. K. 4891
Lobato, R. 4577
Lobovikov, T. S. 97, 6239
Lockaby, B. G. 4587
Locke, B. A. 4024
Lockey, R. F. 2115
Lockow, K. W. 1636, 2252, 5397
Lodenius, M. 300, 6774
Logan, K. T. 5310
Lohmeyer, W. 4080
Loisel, R. 2973
Lokhmatov, N. A. 6040
Lokvenc, T. 1612
Lomas, J. 5829
Lomovskikh, Yu. A. 6071
Londo, G. 2702
Lonergan, G. C. 2516, 3185, 3186
Long, G. E. 3182
Long, W. R. 3347
Longhurst, C. 3193
Longman, K. A. 614, 680, 2659, 6215
Longo, B. N. 3097
Longo, N. 3097
Lönnstedt, L. 766, 767
Lonsdale, D. 6199
Loo, J. 930
Look, M. 2562
Loomis, R. M. 310, 877, 878, 2263
Lopatina, G. G. 3762
López Cabrejo, R. 5415
Lopushinsky, W. 3071
Lorbach, J. 755, 4782
Lorenc-Plucińska, G. 5536
Lorenzo Martín, L. F. 2921
Lorimer, C. G. 1303
Lorio, P. L., Jr. 1105
Lorrain-Smith, R. 2301
Lortie, M. 5283
Lösch, R. 1217
Lossaint, P. 1222
Lothner, D. C. 621, 816
Louarn, H. le 1319, 1323
Loucks, W. L. 3654
Louis, K. A. 4137
Louro, V. 4272
Love, L. D. 588
Lovejoy, D. 4166
Low, A. B. 6420
Löw, H. 549
Lowe, C. H. 2296, 3034
Lowe, W. 3055
Lowe, W. J. 3346, 3854
Lowell, W. 1337
Lowman, M. D. 5627, 6703
Lowry, J. B. 6530
Löyttyniemi, K. 1993, 6129, 6529
Löyttyniemi, R. 6529, 6593
Lozano, J. M. 2315
Lu, A. M. 1872
Lu, H. 4793
Lu, X. 4793
Lu, X. X. 3096
Lu, Y. J. 3096
Lubka, L. 1082
Luca, P. de 917
Lucia, R. M. della 2350
Luciano, P. 6112, 6113
Łuczycka-Popiel, A. 926
Ludemann, E. A. 2165
Ludwig, A. 2531
Ludwig, D. 5723
Lugo, A. 5267
Luizão, F. J. 5501
Lukács, V. 1038
Luk'yanova, L. M. 6536
Lulandala, L. L. L. 5192
Lumaret, R. 3853
Lumis, G. P. 681, 4092, 5893
Lund, H. G. 4139
Lundberg, J. 4219
Lunde, E. 731
Lunderstädt, J. 3969
Lundgren, A. L. 193, 198, 769, 823
Lundgren, B. 657, 1163, 5781, 5782
Lundkvist, K. 6591
Lundquist, J. E. 463
Luqman, M. 821
Lust, N. 3434, 3500
Luterek, D. 6714
Luterek, R. 6711
Luteyn, J. L. 2684
Lüthi, P. 2591
Lützke, R. 3394
Luukkanen, O. 25, 394, 1369, 6329
Luvall, J. C. 1897
Lux, H. 3701
Luxmoore, R. J. 653, 1266
Lvov, P. I. 4941
L'vov, P. N. 4941
Lyall, F. 4395
Lyapova, I. 2929, 5439, 5454, 5900
Lyford, W. H. 844, 894
Lyly, O. 6417
Lynch, A. M. 500
Lyon, J. G. 4536
Lyons, A. 2663
Lyons, E. E. 1753
Lyons, G. 5254
Lyubenov, K. 5835
Ma, S. K. 4725
Ma, X. 5633
Maagi, Z. G. N. 4842
Maass, D. 722
Mabelis, A. A. 4988
McAlpin, M. B. 4145
McArdle, A. J. 1099, 4099, 4591, 5800
McArthur, E. D. 535, 537, 1977
McAudle, T. 1014
MacBrayne, C. G. 568, 763, 1088
McBride, J. R. 1308
McCambridge, W. F. 1445, 3188
McCann, B. D. 1078
McCarter, P. S. 5243
McCashion, J. D. 4038
McCaughey, J. H. 2964
McCaughey, W. W. 2178, 2529
McCay, R. E. 1726, 4583
McClaugherty, C. A. 2325, 4151
McClure, J. P. 28, 2825, 2826
McClure, M. 6735
McClure, M. S. 987
McCluskey, D. N. 5596
McColl, J. G. 4906
McComb, A. J. 4147, 5486
McComb, J. A. 5337
McComb, W. C. 545, 4015, 5780
McComish, T. S. 3238
McConathy, R. K. 1809, 4973
McConchie, D. L. 2961
McConnell, J. L. 4212
McCormack, M. L., Jr. 723, 728, 729, 1173, 1174, 1175, 2200, 2202
McCormack, R. J. 4764, 4835
McCormick, L. H. 3023, 3245
McCoy, E. D. 4022
McCracken, I. J. 4871
McCreary, D. D. 6358
McCullen, J. 5815
McCulloch, J. S. G. 2659
McCune, B. 1895
McDaniel, K. C. 3215
McDaniels, T. L. 3343
MacDicken, K. 4137
McDonald, D. P. 3998
McDonald, G. I. 2489
MacDonald, I. A. W. 6765
MacDonald, J. D. 951, 1394
MacDonald, J. E. 334, 679
MacDonald, L. 603, 657
McDonald, P. M. 1179, 1200
McDonald, S. E. 1157
MacDonald, W. L. 969, 4478
McElroy, G. 2854, 4808
McElwee, E. W. 697
McEwan, R. J. 454
McEwen, A. D. 140, 4633
MacEwen, M. 6189
McGaughey, S. E. 767
McGavin, G. C. 5676
McGawley, E. C. 4513
McGee, G. T. 2690

McGinnes, E. A., Jr. 12, 3767, 4380
McGlone, M. S. 5559
McGuigan, B. N. 138
Machado, S. A. 741
Machaníček, J. 1152
McHenry, W. B. 3464
Macías Campos, M. G. 4472
Maciel, L. A. F. 2129
Maciel, M. J. P. 941
McIntosh, M. 2747
McIntosh, M. S. 5383
McIntosh, R. 4257, 5979
MacKay, E. E. 3980
McKay, H. M. 6233
MacKay, W. P. 3980
McKeague, M. 12
McKeand, S. E. 5588
McKell, C. M. 1549, 2011, 6757
McKendrick, J. D. 4361
McKimmy, M. D. 3838
McKinnell, F. H. 4868
McKittrick, D. J. 633
McLain, H. D. 2854
McLaughlin, M. E. 432
McLaughlin, S. B. 1270, 1809
McLaughlin, S. P. 885
McLean, A. 3212
MacLean, D. A. 3159, 4144, 5675
McLean, J. A. 2565, 2663
McLemore, B. F. 3478
MacLeod, D. A. 3602
McLeod, P. J. 2519, 3187, 5693, 6725
McMaster, G. S. 5564
McMinn, J. W. 556, 4367
McMullan, E. E. 6593
McMullan, M. J. 138, 140
McMullen, L. H. 3207
McNab, W. H. 556, 798, 799
McNabb, D. H. 437
McNabb, H. S., Jr. 5613
McNamara, D. 4475
McNamara, D. G. 6230
McNaughton, K. G. 5807
McNeel, D. J. 1402, 6650
McNeel, H. A. 443
McNeil, R. 6157
McNeill, D. L. 5266
McNeill, J. D. 2763
McNeill, L. 6342
McPhee, J. R. 5701, 5702
McPherson, G. 6521
McPherson, J. E. 12
McQueen, I. S. 5455
MacRae, D. J. 4144
McRae, J. 3042
McShane, M. C. 299
MacSiurtain, M. P. 4771
Madany, M. H. 1302, 3265
Madar, Z. 5616, 6090
Madders, M. 2953
Mader, D. L. 1741, 4100
Mader, H. J. 4023
Madgewick, H. 762
Madgwick, H. A. I. 1109, 1716, 2710, 2843
Madhwaraja, K. A. 2732
Madigan, G. 766
Madsen, S. F. 3489
Madziara-Borusiewicz, K. 5644
Maeda, M. 1987
Maeda, Y. 5465
Maezawa, K. 2821, 4304
Maftoun, M. 2158
Magasi, L. P. 2497, 3896
Magema, M. 5133
Maggio, R. C. 2877
Maghembe, J. A. 5192, 5200, 5201
Magin, R. 764
Maglakelidze, L. K. 5687
Magnuski, K. 3426
Magnusson, C. 1963, 3978
Magnusson, M. L. 6716
Magro, P. 1408
Mahall, B. E. 5565, 6520
Mahendrappa, M. K. 290, 682, 2594
Maher, T. F. 5118
Maheshwari, J. K. 5214
Maheshwari, V. K. 221
Mahmood, A. 1379
Mahmood, M. S. 4713
Mahna, V. 235
Mahr, D. L. 2567
Maier, C. T. 1942
Maier, R. J. 436
Maillette, L. 4401, 4402
Main, W. A. 878, 3717
Mainland, C. M. 2231
Majcen, Z. 3828
Majerus, M. E. N. 2528
Majisu, L. 4618
Mäkelä, A. 325, 1243, 6414
Makepeace, R. J. 2631
Makhmet, B. M. 3857
Mäki-Kojola, S. 99
Makin, K. 2688
Makkonen, O. 4186
Makovnik, S. 4155
Maksaeva, L. D. 3446
Maksimov, V. E. 94
Maksimov, V. M. 335, 391
Maksimović, M. 3116
Maksymov, J. K. 5121
Malagnoux, M. 657
Malaisse, F. 3256
Malajczuk, N. 2469, 3877, 6637
Malanson, G. P. 1296
Malasi, C. B. 4957
Malaya, F. M. 5829
Malaysia, Sahabat Alam Malaysia 26
Malcolm, D. C. 2772
Maldonado A., L. J. 4297, 4574
Maldonado Aguirre, L. J. 4255
Maleta, B. P. 4650
Malhotra, C. L. 4783
Malhotra, S. K. 2421, 3779
Malhotra, S. S. 284, 5538
Malik, M. A. 1199
Malkina, I. S. 3000
Mälkönen, E. 1647, 2148, 5938
Malkov, Yu. A. 2351
Malla, S. B. 1808
Malloch, B. 5038
Malloch, D. 5038
Malone, W. M. 882
Malphettes, C. B. 1319, 1323
Malysheva, T. V. 927, 1896
Malyutina, E. S. 3764
Malyutina, L. A. 4293
Mamaev, B. M. 3919
Mamaev, S. A. 5868
Mamaev, V. V. 2378, 6535
Mamedov, F. M. 2119
Mamikonyan, T. O. 1400
Mamiya, Y. 1454
Mamontova, V. A. 4665
Mamoun, M. 3520
Mamushkin, G. S. 671
Manabe, A. 2658, 5939
Manabe, I. 1840, 3045, 4728, 4767
Manakov, V. A. 1673
Manandhar, P. K. 6227
Manap, A. A. 3078
Mandel, N. L. 5579
Mandev, A. 4036
Manes, F. 1803
Manfredo, M. J. 2060
Mangini, A. C. 6643
Manibazar, N. 6061
Manita, A. G. 178
Mańka, K. 3911
Manley, B. R. 4726
Mann, G. S. 3160
Mann, H. S. 2639, 5210
Mann, L. K. 2943
Mannerkoski, H. 76
Mannila, R. 3136
Manninen, S. 1615
Manning, G. H. 3163
Manoharachary, C. 4465
Manokaran, N. 60, 115, 134, 552, 1674
Manokeran, P. 1189
Mansfield, T. A. 1104
Mansilla Vazquez, J. P. 2548
Mantel, K. 4609
Mantel, W. 4318
Manurung, R. 6215
Manuwal, D. 658
Maradei, D. 6352
Maramba, P. 3894
Marasas, W. F. O. 6636
Marballi, D. A. 3324
Marcano-Berti, L. 2425
Marceau, J. P. 2200
Marchand, P. J. 4875
Marchenko, Ya. I. 1460
Marchetta, J. S. 771
Marciano, P. 1408
Mares, W. G. 2069
Margaris, N. S. 1129, 1197, 1296, 1325, 2854
Margl, H. 4066
Maria, J. 2140
Mariaux, A. 2990
Marie, B. 247
Marien, J. N. 1695, 1911, 5312
Marinov, I. 3425
Marinov, M. 6316
Marinov, M. D. 6566
Marion, J. 2023
Marion, W. R. 3461
Mariz, G. 2426
Márk, G. 1016
Markalas, S. 876, 4734
Markin, G. P. 1005, 6141
Markin, V. M. 1665
Markin, Yu. V. 4317
Markov, E. M. 5492
Markovskaya, E. F. 1804
Marks, G. C. 953, 1397, 1500
Marn, H. M. 865
Maronek, D. M. 2159, 6604
Marquestaut, J. 656, 1371, 1906, 5306
Marquis, D. A. 656, 705, 3437, 3440, 4020
Marrs, R. H. 559, 5764, 5765
Marsden, M. A. 2484, 3887, 4391
Marsh, P. 5944
Marsh, P. L. 1688
Marshall, P. E. 3588
Marshall, P. J. 141
Marshall, P. T. 1034
Marshall, S. A. 961
Marshall, V. G. 5683
Marsinko, A. 4179
Marsinko, A. P. C. 4180
Martell, D. L. 875
Martignoni, M. E. 999, 3189
Martin, A. 5731
Martin, A. J. 4300
Martin, B. 1319
Martin, F. 3766, 5029
Martin, F. G. 2158
Martin, J. P. 2200
Martin, J. S. 2526
Martin, M. M. 5677
Martin, N. E. 6662
Martin, P. A. F. 1592
Martin, R. E. 3022
Martin, R. R. 2494
Martin Vicente, A. 1296
Martin, W. G. 1606
Martin, W. H. 1887
Martin, W. H., III 1886
Martinat, P. J. 12
Martinelli, M., Jr. 655
Martinengo, E. 2694
Martínez, A. T. 3637
Martínez Barrera, R. 5047, 5058
Martinez, M. 6713
Martino, A. De 3086
Martins, L. S. 2304
Martynchuk, A. I. 3414
Martynov, A. N. 6320
Marutzky, R. 2710
Maruyama, K. 150, 223, 316, 317, 371, 373, 382, 383, 3026, 3768, 3833, 3834, 4396, 4411, 4421
Maruyama, Y. 4358
Maruzzo, M. M. 6528
Marx, D. H. 2172, 3881, 3882, 3884, 6613
Marzolf, G. R. 1069
Mascher, R. 6441, 6805
Masetti, A. 6243
Mashima, Y. 2658, 6176
Mashimo, Y. 651, 2151
Maslen, N. R. 1426
Maslov, A. D. 3918, 5716, 6447, 6707
Mason, G. N. 1953
Mason, P. A. 3874
Mason, R. R. 6736
Massardo, P. 5645
Massing, A. 3249
Masuda, A. 5321
Masutani, T. 765
Mat Asri, N. S. 62
Mateille, T. 1577
Matejka, F. 234
Materna, J. 273, 2346, 4318
Matheson, R. 3696
Mathew, L. 3742
Mathews, J. D. 2710
Mathur, H. N. 4039
Mathur, N. K. 2691
Mathur, R. N. 4385
Matis, K. 765
Matney, T. G. 190, 775
Matrenina, R. M. 5128
Matsubara, T. 923
Matsuda, K. 177, 3432
Matsuda, M. 1737
Matsui, E. 2918, 3620
Matsumoto, T. 3384, 6173
Matsumoto, Y. 2380, 2995, 5361
Matsushima, N. 4274
Matsushita, H. 3553
Matsuura, I. 2658
Matsuura, K. 1958
Matsuzaki, S. 6095
Matteoni, J. A. 5082
Matthesen, P. 3401
Matthews, M. L. 1120, 4622
Mattila, E. 1980, 1981
Mattson-Djos, E. 2323
Mattson, J. A. 3344, 4724
Mattsson Marn, H. 865, 4671, 4843, 4844
Matusevich, L. S. 6447
Matzek, R. 5262
Matziris, D. I. 5859
Maudinas, B. 2387
Mauldin, J. K. 3121, 6100
Maurer, H. 4854
Maurer, J. C. 1079
Maurya, R. C. 2236
Max, T. A. 3309, 6511
Maxwell, J. F. 3775, 4430
Maxwell, W. G. 5422
May, D. E. 1174
May, T. A. 1174
Maydell, H. J. von 1499, 2078
Mayer, H. 2605, 2678, 3329, 3363, 4008, 4027, 5839, 6168
Mayer, K. E. 6432
Mayer, R. 3688, 4925
Mayhead, G. J. 2776
Maza R., J. E. de la 5928
Mazanec, Z. 6698
Mazepa, V. S. 4104
Mazet, R. 3133
Mazibuko, W. K. M. 3443
Mazurenko, M. T. 2366
Mazzolini, A. P. 2944
Mazzotti, F. 2590
Mead, D. R. 2663
Mead, M. A. 460
Meade, F. M. 2792
Meadors, C. H. 5726
Meadows, W. G. H. 4625
Means, J. E. 2655, 2817, 3022
Mears, A. I. 1476
Meating, J. H. 3118, 3137, 3956
Medina Bermúdez, R. 4838, 4839
Medina, E. 3724, 6455
Medvedev, L. A. 5849
Medvedeva, S. A. 6027
Meeks, G., Jr. 4117

Meentemeyer, V. 1744
Meer, F. A. van der 476
Megahan, W. F. 1472
Meguro, M. 2327, 2328, 2329
Meiden, H. A. van der 2081
Meier, C. E. 945
Meier, E. 4854
Meiggs, R. 2638
Meighen, E. A. 1431
Meinzer, F. C. 6538, 6539
Meisner, D. E. 2663, 4328
Meiwes, K. J. 5456
Melankholin, P. N. 5990
Mel'chanov, V. A. 4030
Melehov, I. S. 5811
Melekhov, E. I. 2379, 3762
Melekhov, I. S. 5811
Melekhova, T. A. 3762
Meletiou-Christou, M. S. 1340
Melichar, M. W. 3654, 4262
Melillo, J. M. 846, 854, 1067, 2325, 4151, 4919
Mellado, B. 978
Mello, H. do A. 305
Mellström, C. 2189
Melville, R. C. 6166
Melzack, R. N. 5017
Melzer, E. W. 3421, 5891
Ménard, G. 6157
Menaut, J. C. 3824
Mendel, Z. 1013, 1447
Mendes, M. C. 3909
Mendes, M. J. B. 896
Mendoza, V. B. 4110
Meneses Pérez, M. A. 4227
Ménétrier, J. 5832
Meng, C. H. 4155
Menge, A. 2348
Menges, E. S. 1928
Mengga, M. 4796
Mengoli, M. T. 636
Meniado, J. A. 318
Menier, J. J. 3960
Menke, J. W. 2377
Menon, A. R. R. 1877, 2440
Menon, M. 4130
Menšík, P. 3125
Menzies, M. I. 2719
Mercer, P. C. 2662, 6675
Mergen, F. 4163
Mérida, J. 2904
Meriluoto, J. 113
Merino Cuevas, R. 5940
Merino, J. 1296
Merkel, E. P. 1051
Merkle, S. A. 5502
Merle, P. du 1028, 3133, 3134, 6140, 6718, 6734
Merriam, L. C. 1092
Merritt, C. 1609, 1770
Merritt, R. W. 2526
Mersereau, R. 4550
Mertens, P. 5061, 5062
Merwe, J. A. van der 5892
Merzlenko, M. D. 2259
Merzlyak, M. N. 1335
Meslow, E. C. 658
Messiner, H. 6183
Messinger, R. 5616
Mestre, N. J. de 3716
Meszleny, A. 1016
Metcalfe, C. R. 4603
Metro, L. J. 637
Metsänen, R. 1166
Mettin, C. 549
Metz, E. 36
Metzger, F. T. 3657
Metzner, J. 5198
Meulemans, M. 5061, 5062, 5063
Meulen, F. van der 3035
Meux, A. de J. de 5271
Meyer, E. 6780
Meyer, G. F. 1286
Meyer, M. 5787
Meyer, M. M., Jr. 5875
Meyer, M. P. 2663
Meyer, P. 1530
Meyer, R. E. 2778
Meyer, R. L. 2810
Meyer, W. 2025
Meyer, W. L. 2513
Meylan, B. A. 1794
Meyr, R. 5839, 5920
Mezentsev, A. I. 6040
Mezentseva, L. M. 1745
Mgaloblishvili, M. P. 2997
Micha, F. R. 4093
Michael, D. 2993
Michael, G. 861
Michael, J. L. 4741
Michaelsen, T. 2597, 2604
Michalson, E. L. 5788
Michaud, D. 1136, 1778, 5578
Michener, C. D. 6100, 6101
Michon, G. 5182
Michurina, L. R. 1746
Micko, M. M. 841, 1192
Middleton, E. M. 4934
Miegroet, M. van 2865, 3434, 3785
Mielikäinen, K. 1631, 1641
Mielke, M. E. 969, 6643
Mier Durante, M. P. 3936
Mierzejewski, W. 3498
Mies, E. 2391
Miguel, C. 433
Mihajlović, L. 6681
Mihara, H. 5545
Mijušković, M. 6649
Mikami, S. 6095
Mikhaĭlov, V. 6023
Mikhaseva, M. F. 2376
Mikhlina, L. B. 6040
Miki, K. 5529
Mikkola, L. 5587
Mikkonen, H. 1242
Mikola, J. 54, 6591
Mikola, P. 6618
Milanov, R. 5449
Miles, J. 2928
Miles, J. A. 4286
Miliczky, E. R. 3684
Milivojević, B. 3116
Milkina, L. I. 6562
Mill, A. E. 5092, 5634
Millburn, J. A. 1510
Miller, A. 5705
Miller, C. A. 3145, 3148
Miller, C. I. 2629
Miller, E. L. 6785
Miller, F. 4258
Miller, G. E. 2498, 3995
Miller, G. R. 4547
Miller, H. G. 859, 2659, 5757, 5948, 6480
Miller, J. B. 472
Miller, J. D. 5757, 5948
Miller, N. 5787
Miller, N. F. 2760, 3380
Miller, N. G. 3014
Miller, N. L. 2663
Miller, O. K., Jr. 5030
Miller, P. C. 1129, 1364, 2442
Miller, P. R. 1128
Miller, R. 6503
Miller, R. B. 4603
Miller, R. E. 1417, 4708
Miller, R. F. 5455
Miller, S. S. 5919
Miller, T. 463, 3099
Miller, W. T. 6433
Miller-Weeks, M. 5618
Millier, W. F. 3378
Milligan, R. H. 6130
Millikan, D. F. 477
Mills, M. G. L. 4006
Mills, N. J. 5145
Mills, T. J. 1295
Mills, W. L., Jr. 2806
Milne, R. 3649, 3652
Milthorpe, F. L. 2946
Milton, K. 911
Milyutin, L. I. 6238
Minai, J. 5922
Minami, N. 6139
Minamikata, Y. 2887
Minckler, L. S. 3314
Minematsu, H. 2887
Mingo, T. M. 889
Minkevich, I. I. 2492
Minko, G. 114, 518, 1972, 6450
Minor, J. L. 4412
Minore, D. 5380
Minowa, M. 1712, 2669, 3306, 6235
Mio, S. 3384
Mirchev, S. 5835
Mireku, E. 473
Mirkin, B. M. 6061
Mironov, K. A. 312, 5995, 6513
Miroslavova, S. A. 6356
Mishra, B. K. 4063, 4064
Mishra, G. P. 100, 3420, 4410, 5102
Mishra, R. R. 4461, 5054
Mishra, S. C. 507
Misra, B. M. 6672
Misra, C. M. 3371, 4696, 6295
Misra, K. N. 803
Misra, P. N. 3715
Misra, R. M. 1463, 2545
Mitchell, A. F. 4193
Mitchell, C. J. 624
Mitchell, C. P. 763, 2710, 6261
Mitchell, J. C. 1429
Mitchell, J. E. 4987, 6752
Mitchell, R. G. 5117
Mitchell, R. J. 1351
Mitchell, S. 445
Mitrakos, K. 1332, 1342
Mitrofanova, L. M. 3367
Mitscherlich, G. 2047
Mittal, M. C. 2832, 2862, 4800
Mittal, R. K. 3376, 4464, 5041
Mitton, J. B. 1366, 1367, 1376, 4109
Miura, O. 6559
Miura, S. 3833
Miyajima, H. 5929, 5930, 5931, 5934
Miyakawa, N. 2622
Miyake, N. 1738, 1739, 1749, 2814, 2895, 3564, 3660, 3661, 3662, 4344, 4882
Miyamoto, J. 5703
Miyamoto, M. 5937
Miyata, E. S. 2790
Miyawaki, A. 6571
Miyazaki, H. 151
Miyazawa, M 2622
Miyoshi, H. 4301, 5433
Mizuhara, K. 5168
Mizui, N. 2164
Mizuno, T. 2627
Mizutani, A. 6137
Mkude, M. J. 4842
Mlinšek, D. 649
Mlowe, E. J. 4842
Moak, J. E. 831
Modenesi, M. C. 2918
Modenesi, P. 67
Moeller, G. H. 4086
Mog, T. P. 500
Mohamad, J. 1073
Mohamed Dahan, A. L. 597
Mohamed, M. A. 1458, 2559
Mohanan, C. 1388, 4693
Mohd. Darus, H. M. 614
Mohd. Nasir, A. H. 4954
Mohd. Naziruddin 5004
Mohd. Sharif, K. 619
Mohn, C. A. 667, 3349
Mohr, J. J. 4078
Mohrdiek, O. 2459, 2463, 3060, 6087
Möhring, K. 2392
Moilanen, M. 1584
Moir, W. H. 1293
Moiseev, N. A. 769
Mok, S. T. 614
Mol'chenko, L. L. 935, 5580
Molenaar, J. G. de 2702
Molin, J. D. 4389
Molina, R. 410, 413, 2464, 3076, 6621
Moll, E. 1113
Moll, E. J. 1362, 3280
Mollan, R. C. 5254
Molles, M. C., Jr. 979
Molloy, B. P. J. 4870
Molokov, V. A. 2592
Molotkov, L. K. 3858
Molotkov, P. I. 935, 5338, 5582
Molotkovskiĭ, Yu. I. 232
Molski, B. 1233
Momose, Y. 6095
Momot, T. S. 4700
Monaco, P. A. 6619
Moncrieff, S. M. 319, 5040
Mondadori, G. 3702
Monget, J. M. 3595
Monk, C. D. 1605
Monnier, Y. 2645
Monserud, R. A. 4633
Montagnini, F. 3664
Montalembert, M. R. de 2708
Monteith, J. 5247
Montenegro, G. 1423
Montgomery, A. A. 833, 4176, 4177
Montgomery, B. A. 3984, 6206
Montgomery, M. E. 5688
Montgomery, M. L. 1622
Montgomery, R. A. P. 2662
Montoya, R. 3126, 3204
Montsma, G. 4121
Moody, B. H. 3143, 3144, 3922, 5245
Mooi, J. 252
Moon, K. W. 406
Mooney, H. A. 1129, 1325
Moore, A. 3194, 4523, 6726
Moore, G. A. 3686, 4763
Moore, G. B. 4759
Moore, H. E. 1287
Moore, L. D. 2955
Moore, L. M. 5296
Moore, P. D. 2639
Moore, R. E. B. 3989, 5135
Moore, T. B. 1977
Moore, T. R. 4917
Moorthy, S. 2421
Moosbacher, H. 6194
Moosmayer, H. U. 4877, 5762
Mooty, J. J. 1056
Morales, D. J. 4093
Moran, G. F. 1365, 4630
Moran, V. C. 488, 2496
Morash, R. 2837
More Herrero, A. 6498
More, T. A. 4579, 4580
Morehart, A. L. 4510
Moreira, J. F. 2531
Morelet, M. 4483
Moretti, A. 361
Morgan, D. L. 1030, 5124, 5146
Morgan, D. P. 2202
Morgan, D. R. 1994, 5150
Morgan, F. D. 1000
Morgan, M. 4595
Morgan, M. G. 5675
Morgan, P. 5602
Morgan, W. T. W. 4784
Morgensen, G. S. 1355
Morgenstern, E. K. 3350
Mori, K. 5667
Mori, S. 2627
Mori, T. 5890
Mori, Y. 4017, 4018, 4019, 4649
Morigl, R. 5161
Morikawa, Y. 4358, 6033
Morimoto, K. 2536
Morin, M. D. 5778
Moriondo, F. 3097
Morita, M. 302
Morita, Y. 5971
Moriya, H. 4963
Mormiche, A. 1319, 1324, 2332
Moroka, N. 6750
Morris, E. A. 1186
Morris, J. W. 3035, 3624, 3631, 3827
Morris, L. A. 3461, 6335
Morris, M. J. 1445
Morris, O. N. 3191, 3194, 4523, 6726, 6732, 6737
Morrison, D. W. 911
Morrison, I. K. 5467, 5833
Morrison, J. V. 6062
Morrison, L. S. 5039

Morse, D. 1431
Morstein, D. 3701
Mortier, C. M. 5336
Morton, A. J. 2965
Morton, H. L. 1417, 1495, 6669
Moseholm, L. 1235
Moser, J. C. 3166
Moser, J. W., Jr. 136, 4827, 6807
Moser, M. 5231, 6183
Moshe, K. 769
Mosher, W. D. 1622
Mosiniak, M. 3739
Mosley, M. P. 6178
Mosse, B. 1383, 1386
Mössmer, R. 5953
Mostepanyuk, V. A. 2180
Moszyńska, B. 5009
Motoki, S. 5986
Mott, R. L. 464, 2485, 2486, 2735
Motta, E. 6658
Mottl, J. 555, 4053
Motyat, M. 1206
Mouna, M. 6699
Mountfort, C. J. 140
Mousain, D. 3871, 5597
Mozolevskaya, E. G. 6128
Mráček, Z. 4512
Mráz, K. 224
Msanga, H. P. 4694
Msatef, Y. 5029
Mubita, A. C. 929
Mueggler, W. F. 541, 2427, 2441, 6552
Mueller, C. A. 3197
Mueller-Darss, H. 2016
Mueller-Dombois, D. 5541
Muhle, O. 3830
Muhlhäusser, G. 5423
Muhs, H. J. 5572
Mukai, Y. 3597
Mukaide, H. 2658
Mukherjee, S. 5390
Mułenko, W. 863
Mulholland, R. I. 3089
Mullaney, G. E. 835
Mullard, J. 2031
Muller, C. 1319, 4693, 4694
Müller, F. 6165
Müller, S. 5424
Müller-Starck, G. 6075, 6589
Muller-Stoll, W. R. 2373
Müller, T. 6567
Müller, W. 3973
Mulon, M. 2671
Mungkorndin, S. 2634
Muniz, I. P. 5745
Muñoz, J. E. 5267
Munro, J. 3147
Munro, J. A. 3153
Münster-Swendsen, M. 501
Muona, O. 6590, 6593
Murad, J. L. 882
Muradyan, V. M. 3413
Muraev, V. A. 6787
Murai, M. 1910, 5958, 5959, 6080
Muratore, J. F. 846
Murchú, P. Ó. 6639
Murdoch, C. W. 3108, 4377
Murphey, R. 4145
Murphey, W. K. 3346
Murphy, D. L. 3582
Murphy, D. P. 626
Murphy, E. M. 342
Murphy, G. 4760, 4762
Murphy, J. C. 2758
Murphy, P. 5496
Murphy, P. A. 2667, 3573
Murphy, P. G. 4602
Murray, A. M. 3645
Murray, R. B. 5416
Murray, T. G. 4085
Murtha, P. A. 2663, 4149, 4332, 5245
Murthy, K. R. K. 1851
Murty, A. S. 3715
Musaev, I. F. 2432
Musalem S., M. A. 4814
Muse, H. D. 2852
Musoke, R. 5015
Mustapha, M. 1054
Mustian, A. P. 703
Mustonen, S. 3816
Mutch, R. W. 1127
Muthana, K. D. 3359
Mutsaers, H. J. W. 4121
Mutz, J. L. 5727
Mwanje, J. I. 4847
Myers, B. J. 4330, 6437
Myers, C. 145, 776
Myers, C. C. 2000
Myers, D. F. 6677
Myers, N. 596, 4602, 5263
Myhrman, D. 6310
Myren, D. T. 3118
Nabeshima, H. 2743
Nabi, A. A. 2431
Nabuchi, T. 4965
Nachev, P. 5681
Nadeau, J. P. 768
Nadezhdin, V. V. 6275
Naef, F. 5250
Nagano, K. 3846, 4449
Nagao, A. 1837, 1838, 6095
Nagase, A. 5718
Nagashima, I. 1679, 1680, 6375
Nagata, H. 320, 321, 340, 1824
Nagaveni, H. C. 2135
Nagele, E. 2619
Nagele, R. 4859
Nagornaya, R. V. 2180
Nagpal, R. 3386
Nagumo, H. 1682, 1708, 3567, 4831, 4832, 5419, 6425
Nagy, J. 5851
Nahal, I. 1111
Naïdenov, M. 6029
Naïdenov, Ya. 6628
Naiman, R. J. 854, 855, 1066, 1067, 1068
Nair, C. T. S. 1083
Nair, G. M. 1792
Nair, K. K. N. 3831
Nair, M. N. B. 6011
Nair, N. C. 3776
Nair, P. K. R. 4572, 5191, 5789, 6795
Nair, V. M. G. 12
Naithani, H. B. 3016, 3021
Naito, K. 5407
Naitoh, K. 5398, 5399
Naitoh, M. 5766
Najar, M. 1526
Nakagawa, K. 6514
Nakagawa, S. 6079
Nakai, I. 315, 347, 3045, 4683
Nakajima, I. 3601
Nakajima, Y. 5884
Nakamura, H. 522
Nakamura, T. 5360
Nakane, K. 6514
Nakano, N. 4342
Nakano, S. 6107
Nakao, H. 4040
Nakashima, Y. 2311
Nakashizuka, T. 3441
Nakatsu, A. 6156, 6159
Nakayama, T. 3741
Nakazawa, S. 2311
Nakos, G. 4709, 5462
Nallasamy, V. K. 2989
Nalli, R. 3902
Namba, S. 2680, 6177
Nambiar, E. K. S. 4916
Namkoong, G. 3040, 5573
Nance, W. L. 3088
Nanda, K. K. 3758, 5334
Nao, T. van 1521
Napier, I. 5415
Napier, I. A. 5356
Narang, M. L. 1985
Narasimhamurti, C. C. 5704
Narayana, H. S. 235
Narchuk, É. P. 6128, 6144, 6145
Narita, M. 6192
Narita, S. 4534
Narog, M. G. 530
Nartov, P. S. 3508
Naryshkin, M. A. 6274
Nash, P. 49
Nash, T. H., III 1259
Nasimovich, Yu. A. 5049
Näslund, M. 606
Nasu, K. 1558
Natarajan, K. 421
Natawiria, D. 982
Nath, M. 4082
Nather, J. 5839
Nations, J. D. 5007
Naud, R. 308
Naughton, G. G. 2709
Naumov, V. F. 1434
Naumov, Z. 5449
Nausedas, I. A. 6186
Nautiyal, J. C. 829, 4829
Navarro Garnica, M. 5902
Naveh, Z. 867, 5794
Navon, D. 770
Navratil, S. 5832
Nayar, M. P. 3831
Nazarov, I. M. 4370
Neary, D. G. 4740
Nebe, W. 1555, 4224, 5966
Nebgen, R. J. 3854
Nechayeva, Ye. G. 5447
Neckelmann, J. 2899, 2900
Nedorezov, L. V. 5112
Neelay, V. R. 4201, 4202
Neely, D. 12, 4487, 5222, 5621
Neenan, M. 2710, 5254
Neerdal, F. 4138
Neergaard, P. 3885
Nef, L. 3132, 3920, 4138
Negi, D. D. S. 4800
Negi, K. S. 2739
Negi, S. S. 6783
Negisi, K. 1813, 2380, 2995, 2996, 5361, 5531
Nehlsen, F. 2089
Neil, P. E. 2672, 5850
Nelson, D. L. 5623
Nelson, D. O. 6434
Nelson, E. E. 3110
Nelson, L. A. 3931
Nelson, L. R. 2781, 2782
Nelson, N. D. 2993, 3725, 3767, 5309
Nelson, R. 3589
Nelson, R. F. 827, 828
Nelson, R. M., Jr. 880
Németh, M. V. 2495
Nemson, J. A. 4561
Nepenin, Yu. N. 2351
Nepveu, G. 1320, 1321, 6599
Nerg, J. 6383
Netherlands, 'De Dorschkamp' 5226
Netherlands, Nationale Populieren Commissie 5226
Netherlands, Stichting Bos en Hout 5226
Netrebenko, V. G. 1071, 6790
Neuber, B. 6183
Neumaier, T. 2078
Neuman, J. F. 3480
Neumann, E. 2358
Neumann, F. G. 1972
Neusser, H. 2092
Neuwinger, I. 5346
Neves, A. R. 2104
Neves, M. J. B. 5883
New Zealand, Department of Internal Affairs 127
New Zealand, Forest Service 4664
New Zealand, Geohydrology Section, Forest Research Institute 5171
Newbold, A. 2867
Newbold, J. D. 1997
Newbould, P. J. 1551
Newell, K. 138, 6215
Newhouse, J. R. 4478, 6626
Newman, S. M. 2854
Newton, I. 4545
Newton, M. 39, 2197, 2200, 3477
Newton, W. G. 3964
Neyra Román, M. G. 2117, 2163, 2177
Ng, F. S. P. 62, 363, 2977
Ng, S. Y. 3297
Ngales, L. 1162
Ni, D. X. 1568
Ni, S. Q. 4374
Nibbi, A. 4604
Nicholas, I. D. 5381
Nicholls, J. W. P. 1149, 5437, 5484
Nicholls, T. H. 12, 604, 1965
Nichols, L. M. 1096
Nickerson, K. W. 1402, 6650, 6651
Nickle, W. R. 1454
Nicolls, T. H. 5379
Nicolson, J. A. 5833
Niebla, M. 4422
Niefnecker, W. 3406
Nielsen, C. C. N. 2978
Nielsen, D. G. 511, 3985
Niemelä, P. 3136
Niemelä, T. 6590
Nieminen, J. 6418
Nienartowicz, A. 5009
Nienstaedt, H. 933, 2063, 2453, 5244
Niesslein, E. 32, 768, 6183
Nieto Nafría, J. M. 3936
Nieves Aldrey, J. L. 3972
Nigh, R. B. 5007
Nigi, T. 6192
Nihlgård, B. 1551
Niijima, K. 5885
Niiranen, J. 71, 72, 2161
Nijholt, W. W. 5700
Nijveldt, W. C. 5679
Nik Mohammad Shah, N. M. 4876
Niki, N. 149, 151, 1732, 3533, 3534, 4382
Nikitenko, G. N. 4665
Nikitskiĭ, N. B. 3267
Nikkanen, T. 6588
Nikolov, S. 5992, 6506
Nikolov, V. 5449, 5483
Nikol'skiĭ, V. I. 5128
Nikulin, G. A. 6286
Niles, L. J. 1983
Nilsen, E. T. 3666
Nilsson, N. E. 606
Nilsson, S. I. 3621
Ninomiya, I. 1811, 2889, 6533
Ninomuja, M. 214
Ninov, N. 2269, 2919
Nipoti, P. 4479
Nir, A. 5907
Nishikata, S. 2581
Nishikawa, K. 765
Nishimoto, T. 3615
Nishimura, M. 2555
Nishioka, M. 3638
Nishizawa, M. 761, 3299
Nisino, H. 5393
Niskanen, M. 659
Nissen, R. L., Jr. 1006
Nisula, P. 1523, 1626, 1662
Nitta-Wakabayashi, R. 655
Niwano, S. 655
Nixon, E. S. 6773
Nkaonja, R. S. W. 5829
Nkaonja, R. W. S. 3458
Nobbe, B. F. 1162
Nobel, P. S. 1510, 5231
Noble, I. R. 3723
Nobles, R. W. 5319
Nobuchi, A. 5659, 6132, 6133
Nobuchi, T. 302
Noda, H. 4298
Nodine, S. K. 4179, 4180
Noguchi, T. 6095
Noguchi, Y. 3612
Noh, E. R. 65, 128, 402, 4698
Noirfalise, A. 1878
Nolet, G. 5343
Nomura, K. 1801
Nomura, Y. 4683
Nor, S. M. 4171
Norby, R. J. 4940, 5553
Nord, J. C. 3994
Nordby, A. 118
Nordmeyer, A. H. 4872, 4873
Norén, O. 5374, 6354
Normand, P. 3303
Normandin, D. 1537

Norokorpi, Y. 2473, 2483
Norris, L. A. 39, 1622, 2202, 3480
Norris, T. O. 5244
Northway, S. M. 183
Norton, D. A. 6380
Norton, H. H. 4786
Norton, S. A. 1263
Norwine, J. 4331
Nosek, A. 272, 5331, 5473, 5474
Noste, N. V. 2200
Nostrand, R. S. van 3143
Notario, A. 3126, 3127
Novák, B. 3125
Novellie, P. 6162
Novitskaya, Yu. E. 3752
Novoselceva, A. I. 51
Novosel'tseva, A. I. 51
Nowiński, S. 5272
Noy-Meir, I. 3788, 4006
Nshubemuki, L. 5238, 5436
Nugent, R. M. 2003
Numata, M. 912, 3441
Nunes, M. A. 1338
Nuorteva, M. 532, 2024
Nussbaumer, H. 2297
Nutter, W. L. 4367
Nweke, F. I. 620
Nwoboshi, L. C. 657, 3681, 4810
Nyffeler, M. 4598
Nygrén, M. 6414
Nykvist, N. 5175
Nyland, E. 6048
Nylund, J. E. 947
Nylund, L. 574, 1091
Nylund, M. 574, 1091
Nys, C. 2741
Nystrom, P. S. 4585
Nyyssönen, A. 172, 606, 764, 6440
Oak, S. W. 6664
Obarymskyj, A. 3190
Obata, K. 5360
Obata, S. 5897
Oberg, R. R. 702, 3657
Obot, E. O. 6154
O'Brien, D. 4633
O'Brien, J. G. 6669
O'Brien, R. W. 3122
O'Callaghan, D. P. 960
O'Carroll, N. 6364
Ochi, K. 6131
Ochiai, M. 4683
O'Connor, F. B. 5790, 6205
Oda, K. 1955, 1958
Oda, T. 3186
Odell, T. M. 2539
Odén, P. C. 1821
Oderwald, R. G. 2667, 5403
Oechel, W. C. 1337
Oehlschlager, A. C. 6720
Oelrichs, P. B. 2552
Oertli, J. J. 2508
Oester, B. 3593
Oester, P. T. 1443
Oezhan, S. 654
Oezynvaci, N. 654
Oganyan, S. A. 351, 913
Ogar, G. E. 752
Ogasawara, R. 5365, 5366, 5391, 5392, 5417, 5420, 5421, 5534
Ogata, N. 5320
Ogawa, M. 5885, 5969
Ogawa, S. 653, 4341, 4342, 4552, 6173
Ogden, J. 6411
Ogilvy, R. S. D. 4392
Ogino, K. 1825, 4721, 4963
Ogner, G. 4927, 5464
Oguchi, T. 967
Oguntala, A. B. 657
Oh, K. H. 3845
Oh, M. Y. 103
Ohashi, H. 3756
Ohba, K. 2715, 3043
Ohenoja, E. 842
Ohgane, E. 1607
Ohishi, T. 5899
Ohkita, E. 5393
Ohkubo, T. 6107
Ohmae, T. 1462
Ohmann, L. F. 786, 816
Ohmart, C. P. 5631
Ohno, J. 368
Ohno, K. 3804
Ohnuki, I. 3601
Ohote, K. 5178
Ohsako, Y. 302
Ohsumi, Y. 5971
Ohta, A. 4969
Ohta, S. 872, 6494
Ohta, T. 1797
Ohtani, H. 655
Ohtani, J. 5991, 6002, 6015
Ohtani, T. 6107
Ohte, K. 3786, 5558
Oikarinen, M. 1655
Oikawa, N. 5889
Oja, S. 6249
Ojansuu, R. 6440
Ojeniyi, S. O. 5189, 5196
Oka, A. G. 2704
Okabe, H. 4992, 5028
Okada, K. 5393
Okada, T. 1462
Okada, Y. 5341
Okali, D. U. U. 3001, 3002, 3340, 3651, 3819
Okamoto, K. 5521
Okanoue, M. 5986
Oker-Blom, P. 1776, 1777, 6377
Okombi, G. 4458
Okubo, R. 6151
Okumura, T. 5488
Okutomi, K. 372
Olaszy, I. 2186
O'Laughlin, J. 622, 1543, 5435
Olberg-Kalfass, R. 2584
Old, K. M. 958
Oldeman, R. A. A. 3781, 4121, 4988, 5002
Oldfield, M. L. 569
O'Leary, J. F. 1296
Olembo, T. W. 3900
Olesen, P. O. 3712
Olesen, S. E. 4219
Olet, E. D. 3297
Olfson, H. 5204
Oliveira, B. L. de 3135
Oliveira, L. M. de 2462
Oliveira, R. C. de 2349
Oliver, C. D. 2817
Oliver, G. 2710, 2843
Oliver, L. K. 81
Oliveri, S. 1047
Olkowski, H. 2556
Olkowski, W. 2556
Olotu, C. 5436
O'Loughlin, C. L. 5758
O'Loughlin, E. M. 5250
O'Loughlin, J. O. 6221
Olsen, D. 4230
Olsen, P. K. 1060
Olson, B. H. 6500
Olson, C. E., Jr. 3588, 6431
Olson, J. T. 29, 198
Olson, R. A. 1477
Olsson, L. 1733, 3587
Olsson, M. 4889
Olsthoorn, A. F. M. 5220
Olszowski, J. 277
Omi, P. N. 1301
Omiyale, O. 6422
Omuemu, J. O. 2494
Omule, S. A. Y. 159, 202, 3580
Omule, S. A. Y. E. 4841
Omura, H. 655
Ong, T. H. 1573
Ongaro, L. 3095
Oniki, M. 4341
Onishchenko, L. I. 6061
Onishi, H. 3286
Onji, Y. 1462
Ono, A. 3532
Onodera, H. 5962
Onweagba, A. E. 2096
Oohata, S. 315, 347
Oosterhuis, L. 3781
Ooyama, N. 2450
Opdam, P. 2702
Opeke, L. K. 1501
Openshaw, K. 4679
Opgenorth, D. C. 6648
Opler, P. A. 4397
Öquist, G. 1815, 1816
Orantes Gordillo, F. R. 4814
Orazov, Kh. 6789
Orcutt, D. M. 296
O'Reilly, C. 45, 2445, 3841
Oremus, P. A. I. 1347
Oren, R. 2987
Orf, S. 2052
O'Riordan, T. 6205
Orlov, A. N. 6315
Orlov, A. Ya. 2176, 6473
Ormrod, D. P. 247
Orndorff, K. A. 5444
Orozco-Segovia, A. 2402
Orr, D. B. 3991
Orr, J. W. 5911
Orsino, R. M. D. 67
Ortega Cañas, M. 6498
Orthwein, L. 4014
Osada, T. 3772
Osako, M. M. 4145
Osborn, J. F. 49, 1684
Osborne, J. 3696
Osgood, E. A. 1024, 3684
Osipov, V. I. 2998
Osipova, N. V. 2733
Osmond, C. B. 1510, 5231
Österström, L. O. 6310
Ostrenko, W. 2590
Ostrofsky, A. 6638
Ostroshenko, V. V. 102
Ostry, M. E. 604, 3929, 5296
Osumi, K. 4721
Osumi, S. 5259, 5260
O'sváth, J. 2572
Oswald, E. T. 6048
Oswald, H. 1319, 1320
Ota, M. 5465
Otjen, L. 3893
Otomo, R. 2658
Otsijina, R. 6757
Otten, H. 1347
Otto, H. J. 2306, 2355
Ottridge, A. P. 3175
Otvos, I. S. 3148, 6738
Ouchi, Y. 214
Ouden, P. den 2643
Outcalt, K. W. 3358, 3519
Outer, R. W. den 1781, 1782, 3744
Overhulser, D. L. 1036, 4687
Overrein, L. N. 1262
Owen, L. D. C. 559
Owen-Smith, N. 4006
Owens, J. N. 353
Oyama, H. 5712
Ozeki, Y. 655
Ozols, G. Ė. 5110
Paakkunainen, T. 267
Paasman, J. 2796
Paavilainen, E. 109, 570, 652, 1155, 1587, 1603
Packee, E. C. 183
Packham, J. R. 2041
Padalino, J. J. 4583
Page, M. 1430
Paine, L. A. 1147
Pairintra, C. 4120
Pais, M. S. S. 1332
Paiva, M. R. 5134, 5713
Päivänen, J. 104, 108, 654, 659, 2005, 6452
Päivinen, R. 2244
Pakonen, T. 1244
Palaniswamy, P. 2516, 3183, 3185, 3186
Palashev, I. 2929, 5439, 5454
Paleg, L. G. 2625
Palin, D. 5278
Palishkis, E. E. 6197
Palit, S. 2770
Paliwal, G. S. 4627, 5001
Paliwal, S. P. 4957
Pallardy, S. G. 6, 1752, 2321, 3760
Palm, C. E., Jr. 1050
Palm, R. 2830
Palm, S. L. 621
Palmberg, C. 6574
Palmer, C. 4260
Palmer, J. 6411
Palmer, J. F. 2060
Palmer, K. T. 1231
Palomar G. Villamil, M. L. 4349
Palosuo, V. J. 23
Palvi, S. K. 132
Pampel, W. 3484
Pan, Y. 5633
Pancel, L. 2103
Panchenko, T. M. 2381
Panconesi, A. 1403, 1405, 3095, 6666
Panday, K. 4119
Pande, G. C. 2722
Pande, H. K. 5001
Pande, P. 2966, 3676
Pandev, S. 6475
Pandey, G. P. 301
Pandey, P. C. 4340
Pandey, R. K. 3221
Pandey, S. N. 1687, 2347
Pandey, U. 5001
Paneque, G. 2904, 2912
Panetsos, K. P. 1377
Pankov, Ya. V. 4048
Pannell, C. W. 618
Pant, M. M. 2235, 2704, 4110
Papanastasis, V. P. 1296
Papánek, F. 771, 4834
Parameswaran, N. 1329, 2509
Parappillil, A. J. 3244
Paraskevopoulos, S. 2854
Pardé, J. 1319
Parfitt, R. I. 2488, 2854, 4808
Parihar, D. R. 491
Park, H. M. 5143, 5144
Park, I. H. 4924
Park, J. S. 77
Park, J. W. 5185
Park, K. N. 524, 5100
Park, M. H. 333
Park, M. K. 4172
Park, R. F. 470, 471, 3912
Park, Y. G. 388
Park, Y. S. 3048, 3353, 3354
Parker, B. L. 3944
Parker, G. G. 6782
Parker, G. R. 1868
Parker, J. H. 4383
Parker, L. A. 3944
Parker, W. C. 2321
Parker, W. H. 2445, 3841
Parkes, J. P. 1465
Parmeter, J. R., Jr. 2374, 2476, 4980, 5053
Pärnänen, A. 570
Parrish, M. D. 2621
Parry, B. T. 4316
Parry, W. H. 984, 6722
Parsons, D. J. 1296
Parsons, R. F. 588
Parvez, M. 2133
Parviainen, J. 1598, 1599
Paschalis, P. 4155
Pase, C. P. 1354, 3034
Pasek, J. E. 2558
Passini, M. F. 2644, 6548
Passoa, S. 5652
Pasteels, J. M. 3959, 4501
Pasternak, G. M. 955
Pasternak, P. S. 856, 5849, 6463
Patch, D. 4056, 4090, 4091, 4865
Pate, J. S. 4147
Patel, B. D. 1666
Pathak, P. S. 2261, 6311
Patil, B. V. 3208
Patiño Valera, F. 4207
Patlaĭ, I. N. 2448, 5453, 5581, 6269
Patomäki, J. 2024
Paton, D. M. 1806
Patric, J. H. 844, 2001, 4033
Patronov, D. 5483
Patterson, P. E. 6596
Patton, D. R. 4007
Paucke, H. 3703
Paul, F. 2013
Paul, H. 2619
Paul, S. 1
Paula, J. E. de 896, 2426

Paula Neto, F. de 2104, 2291, 2292, 2293, 2294, 2295
Paule, L. 3360
Paulus, H. F. 3968
Paunovic, P. 381
Pauritsch, G. 4023
Pautov, Yu. A. 186
Pawl, D. 1491
Payette, S. 1314, 4105
Payne, J. A. 12, 5388
Payne, T. L. 1105, 2537, 5667
Pearce, M. L. 2710
Pearce, P. A. 5699
Pearce, R. B. 1396
Pearson, H. A. 2871, 5731
Peden, D. G. 3218
Pederson, J. C. 3213, 5741
Peek, J. 650
Peerenboom, H. G. 764
Peet, F. G. 2517
Peet, H. T. 4584
Peev, B. 6180, 6182
Peev, Kh. 6444
Pehl, C. E. 4732
Pekić, R. 3116
Pelinck, E. 6227
Pelkonen, H. 1651
Pelkonen, P. 1822
Pellett, H. 1493, 4094, 4101
Péllico Netto, S. 764
Peltonen, J. 196
Pelz, D. R. 2875
Pemadasa, M. A. 5556
Penafiel, S. R. 1162
Pendle, B. G. 3648
Penev, D. 3225, 6770
Peng, C. H. 5081
Pennypacker, S. P. 264
Penyakh, S. M. 903
Pepler, D. 6162
Pepper, H. W. 583, 4538
Pepper, W. D. 6579
Perala, D. A. 816, 2774, 3430
Percy, J. 4520, 6738
Percy, K. E. 3710
Pereira, A. R. 2129, 2182, 2350
Pereira, J. 3663
Pereira, J. S. 1217
Perelman, R. 1489
Perera, W. R. H. 5784, 5855
Pérez Chávez, R. 4947
Perez Frances, J. F. 4422
Pérez Preciado, A. 2616
Perfect, T. J. 6457
Périnet, P. 3388
Perino, J. V. 4949
Permar, T. A. 3674
Perpeet, M. 4275
Perrin, C. J. 5166
Perrin, R. 1319, 1323, 3872
Perrot-Rechenmann, C. 2387
Perrotte, G. 5809
Perry, C. 4736
Perry, D. A. 439, 1751, 6358
Perry, D. J. 4167
Perry, T. O. 899
Persson, G. 6262
Persson, H. 1963, 5569, 6532
Perttu, K. 1733, 3587, 4866, 6258
Perttu, K. L. 1733, 6443
Pervukhin, A. G. 745
Peryam, J. 2749
Peryshkina, G. I. 4415
Petäistö, R. L. 91, 6656
Peter, B. 3970
Peter, P. 4880
Peterman, R. M. 5723
Peters, J. A. 5150
Petersen, A. 4926
Petersen, B. 2802
Petersen, B. H. 2798, 2802
Petersen, M. 2620
Petersen, P. M. 1356
Peterson, D. L. 853, 2914, 2933, 3240, 5919
Peterson, G. W. 1387
Peterson, J. L. 3897
Peterson, P. J. 4603
Peterson, R. H. 4028
Peterson, R. L. 2466, 6609
Peterson, R. S. 3905
Peterson, Yu. V. 6274
Petkovšek, Z. 653
Petrak, M. 5997
Petrenko, E. S. 5090
Petrenko, N. M. 5090
Petri, G. 2279
Petri, H. 764
Petricek, V. 4155
Petrini, O. 5078
Petrov, M. 3516
Petrov, N. I. 3367
Petrov, S. A. 387
Petrova, O. P. 2481
Petter, D. 1140
Pettersson, B. 6251
Petty, J. 3922
Pezeshki, S. R. 3642
Pfannkuch, E. 6037
Pfeifer, A. R. 6365
Pfeil, C. 2204
Pfeilstecker, K. H. 5987
Pfister, R. D. 442, 3022, 6221
Phares, R. E. 642, 643
Phelps, J. E. 1616, 3767, 4380
Phelps, R. B. 1208
Phengklai, C. 364, 6053
Phernetton, R. A. 2970
Philip, M. 4160
Philippou, J. L. 1197
Phillion, B. J. 5874
Phillips, D. H. 2640
Phillips, D. R. 797, 813, 826
Phillips, N. 409
Phillips, T. W. 3172
Philo, G. R. 5776
Phipps, H. M. 4213
Picard, J. F. 1317, 1319, 1323, 1839, 2038, 2633
Piccardi, P. 5645
Píccolo, G. A. 5871
Piche, Y. 2466, 6609
Picron, G. 4299, 4535
Pidot, J. R. 1080
Piearce, G. D. 5608
Pienaar, L. V. 3468
Pieper, G. R. 2561
Pieper, R. D. 6750
Pierce, R. S. 654
Pietarinen, I. 19
Pieters, A. 657
Pigott, C. D. 596, 2467, 2468
Pikk, J. 3404
Pilawa, J. 5656
Pilcher, J. R. 1124, 4594
Pillai, S. R. M. 3129
Pillsbury, N. H. 5759
Pimenova, G. S. 5165
Piña Puente, F. 4453
Piñero, D. 4427, 4428
Pinheiro, M. F. L. R. V. 4134
Pinkerton, A. S. 1301
Pinkerton, J. E. 4373
Pinon, J. 976
Pipoly, J. J., III 5549
Pirags, D. M. 4772
Pirie, G. H. 3460
Pirinen, S. 659
Pistell, A. 1011
Pitel, J. A. 4628, 4691
Pitkäniitty, M. 2160
Pitman, G. B. 5117
Pitman, M. G. 227
Pitman, R. M. 3653
Plaisance, G. 3714
Plamondon, A. 654
Plamondon, A. P. 3683, 5748
Plank, S. 956
Plassard, C. 5597
Plate, H. P. 3987, 3999
Platen, J. von 2305
Platt, A. L. 5305
Plaza Infante, E. 6127
Plenchette, C. 3873
Pleschberger, W. 2076, 5838
Pleshanov, A. S. 6124
Plexman, C. A. 3297
Plichta, W. 5452
Plochmann, R. 32, 761, 4663, 5285
Ploetz, R. C. 12
Plöntzke, M. 3415
Plotnikova, T. S. 1418
Plowman, T. 3013
Plumb, T. R. 1130, 1200
Plumley, H. J. 4584
Plumptre, R. A. 4137
Pocknall, D. T. 6555, 6556
Podgwaite, J. D. 1458, 2559, 4519
Pohjola, L. 842
Pohjola, T. 6355
Pohjonen, V. 646
Pohtila, E. 1527, 1648, 6355
Poikolainen, J. 2309
Poisson, M. 3595
Poissonet, J. 1345
Poissonet, P. 1345
Poissonnier, M. 1578, 1624, 1659
Poitou, N. 3520
Pokarzhevskii, A. D. 1758
Polacsek, K. 4009
Polak, D. J. 145
Poland, Uniwersytet Mikołaja Kopernika w Toruniu 5009
Polezhaĭ, P. M. 6060
Polge, A. 2219
Polge, H. 4943
Poli, B. M. 4004
Poljakoff-Mayber, A. 5438
Pollanschütz, J. 2092
Pollard, D. F. W. 3373, 5310, 6043, 6044
Pollett, F. C. 3153
Polo, A. 2314
Polo Sánchez, A. 2320
Polomski, J. 279, 2342
Polozhentsev, P. A. 339
Poluboyarinov, O. I. 401
Poluèktov, E. V. 4037
Polyakov, A. K. 2118
Ponchet, J. 6665
Pond, S. E. 3896
Ponder, B. 2516
Ponder, F., Jr. 2190
Ponnuswamy, P. K. 1566, 2770
Ponomarenko, V. V. 6054
Ponomareva, R. E. 6715
Pons, A. 1358
Pont, P. le 1319
Poore, M. E. D. 4148, 4642, 6227
Poortinga, G. 4988
Popa, M. 4155
Popa, V. 4155
Pope, P. E. 1519, 1656, 1810, 2910, 6218, 6348
Pope, W. W. 6752
Popov, A. 6180
Popov, A. S. 6363
Popov, P. P. 390, 5326, 6267, 6273
Popov, V. K. 226
Popova, N. M. 226
Popovic, J. 5057
Popp, E. 4979
Porterfield, R. L. 1902
Portlock, F. T. 6043, 6044
Postuszny, U. 2466
Potapova, N. P. 3858
Potapova, S. A. 6519
Potter, G. 5481
Potts, D. F. 3646
Potts, M. J. 4921
Poudel, P. K. 1490
Poulsen, G. 3513, 6798
Powell, D. S. 30
Powell, G. R. 334, 1185
Powell, J. M. 5615
Powell, W. 3958
Powers, C. F. 5476
Powers, H. R., Jr. 463, 934, 3099, 4481, 5075, 5350
Pöykkö, T. 6590
Pöytäniemi, A. M. 2254
Praag, H. J. Van 4892
Prabhu, V. V. 4418
Pradhan, I. P. 2751
Prager, C. M. 5893
Prager, U. 2837
Prance, G. T. 924
Prasad, G. 1463, 3119
Prasad, R. 100
Prat K., S. D. 5871
Pratap Singh 2545, 3119
Pratt, J. E. 3080
Prazeres, S. do M. 900, 910
Pregitzer, K. S. 919, 3028
Preiss, R. 5646
Premrasmi, T. 5829
Pressland, A. J. 3630
Preston, D. N. 670, 4253
Preuhsler, T. 185, 4910
Prey, A. J. 12
Price, N. 1757
Price, T. S. 670
Pridnya, M. V. 1090
Priebe, A. 286
Priesner, E. 1432, 5648
Priesol, A. 770
Prikhod'ko, N. N. 856
Pritam Singh 6645
Pritchett, W. L. 82, 2158, 3461, 3625, 6335
Pritzker, A. 3314
Proe, M. F. 763
Proebsting, W. M. 4975
Profumo, P. 67
Prokazin, E. P. 386
Prokhorchuk, T. I. 3367
Prokop'ev, M. N. 6366
Prokoptsov, V. V. 3483
Prokopy, R. J. 1420
Prokushkin, S. G. 887
Prosser, J. M. 4155
Prota, R. 6112, 6113
Prudhomme, T. I. 5105
Prudič, Z. 3551
Pruett, D. M. 4130
Prus-Głowacki, W. 3056, 6593
Prusinkiewicz, Z. 3405
Pryor, L. D. 381
Przezbórski, A. 3911
Puccioni-Agnoletti, M. C. 6261
Pugach, E. A. 5327
Pulcheva, D. 6475
Pundir, Y. P. S. 110
Pupavkin, D. M. 1406, 5666
Puri, S. 3386
Purnama, B. M. 648
Puro, T. 1585
Purohit, A. N. 56
Pushpendra Singh 4812
Putkisto, K. 1141
Putnam, C. W. 2069
Puttonen, P. 6307
Putz, F. E. 327, 1858
Puukko, K. 1022
Puzdrichenko, V. D. 5492
Pyke, D. A. 6760
Pyne, S. J. 4600
Pyykkönen, J. 1655
Qiao, S. 4793
Qiao, S. L. 5136
Qiao, S. Y. 1786
Qiwu, C. 5837
Quednau, F. W. 3993
Quenet, R. V. 4149
Quézel, P. 1358
Quigley, T. M. 307
Quirk, J. T. 6004
Quispel, A. 427
Qvistgaard, P. 2833
Raber, J. 255
Rabl, A. 5845
Rachman, A. 4659
Raddi, P. 5075, 6666
Radke, C. D. 1003
Radloff, D. L. 1285, 1286, 2968
Radosevich, S. R. 4722, 6334
Radsliff, W. A. 667
Raedeke, K. J. 658, 5156
Raev, I. 6444
Rafailov, G. 5749, 6029
Raffa, K. F. 337, 1021, 6646
Rafique, M. 4228
Ragazzi, A. 4476
Raghunath, T. A. V. S. 3180
Ragonese, A. E. 2423, 3860
Ragyalis, A. K. 6712
Rai, M. P. 6311
Rai, R. S. V. 1685, 3064, 3852, 4200, 4451
Rai, S. N. 165, 696, 773, 2262, 6390, 6391, 6392, 6412
Rai, Y. C. 3507

Raich, J. 1757
Raid, L. 3404
Raĭkov, L. 6497
Raile, G. 136
Raile, G. K. 778, 791, 808, 824
Rainey, R. C. 6697
Raintree, J. B. 5208, 6800
Raintree, T. B. 5782
Raisanen, D. 145
Räisänen, S. 6529, 6593
Raison, R. J. 651, 2945, 4914
Raitanen, W. E. 1601, 1623
Raitasuo, K. 659
Raitio, H. 1220, 1590
Raivonen, M. 1646
Raizada, M. B. 4783, 6211
Raja, K. A. M. 2770
Rajora, O. P. 3066
Rajpal Singh 507
Rajput, K. M. 4957
Rakovec, J. 653
Ramaekers, D. 5061, 5062
Ramakrishnan, P. S. 1780, 1892, 1893, 1894, 3727, 3728, 3793, 4063, 4064, 5214
Ramalho, R. S. 888
Ramam, S. S. 166, 5001
Raman, N. 421
Ramayya, N. 6545
Rambo, A. T. 571
Rambo, D. L. 5476
Ramírez, C. 3637
Ramírez Maldonado, J. G. 4656
Ramisch, H. 2568
Rampach, M. 5484
Rance, S. J. 1689, 5348
Rand, A. S. 5808
Ranft, H. 861, 2008, 3395
Rangelov, K. N. 112
Ranka, Kh. R. 3264
Rankin, J. M. 6324
Ranneby, B. 606
Rao, A. N. 758
Rao, K. M. 3779
Rao, K. V. S. 3774
Rao, M. S. 3243
Rao, M. V. 3715
Rao, N. S. 4243
Rao, P. H. V. V. 1564
Rao, R. R. 4785
Rao, T. A. 3747
Rao, Y. S. 614
Rao, Y. Y. 3243
Rapp, H. J. 2221
Rapp, M. 1196, 1222, 4971, 6486
Rapp, S. R. 1283
Rappaport, N. 1430
Räsänen, P. K. 86, 87, 93, 2317
Rashitov, A. 6064
Raske, A. G. 3139, 3141, 3152, 3154, 6123
Rasmussen, W. O. 4400
Rasul, G. 4544
Rathinam, M. 3442, 3526
Rathore, R. K. 2322, 2611
Rau, H. M. 2131
Raulo, J. 1611, 1619, 2456
Raumolin, J. 6240
Raunemaa, T. 1240, 1245, 2334
Rauter, R. M. 5572
Rautiainen, O. 93
Ravindran, K. 3339
Raviv, V. 5873
Ravn, H. P. 3966
Rawal, S. K. 3003
Rawat, M. S. 3066
Raymond, O. H. 4757
Raymond, R., Jr. 3729
Raynal, D. J. 3705
Rayner, A. D. M. 2662, 3891, 6642
Raza-ul-Haq 4199, 4247, 4573
Razali, A. K. 602, 1144
Rea, A. M. 4612
Read, D. J. 2470, 5033
Read, P. E. 4137
Reamer, L. D. 4267, 4311, 4432
Reardon, R. C. 530, 3981, 6724
Rebugio, A. 1176
Recher, H. F. 3033
Rechsteiner, K. 1184, 2678
Record, H. 1249
Reddi, G. H. S. 3243
Reddy, A. N. Y. 3124
Reddy, B. S. 4465
Reddy, C. V. K. 2704
Redenbaugh, M. K. 5333
Redfern, D. B. 4365
Redhead, J. F. 3879, 5200, 5201
Reed, K. L. 3022, 4811
Reemtsma, J. B. 652, 2156
Reeves, J. W. 6349
Reeves, R. M. 6717
Reffold, T. C. 5073
Regenovich, I. 1007
Régnière, J. 502, 1525
Regt, A. L. de 2701
Regulski, F. J., Jr. 3897
Réh, J. 656
Rehfeldt, G. E. 2123, 3047, 6581
Rehfuess, K. E. 4910, 5984, 6037
Rehill, P. S. 4340
Reich, P. B. 891
Reichardt, D. 5840
Reichardt, E. 5840
Reichardt, K. 3620
Reichhoff, L. 3829
Reid, C. P. P. 946, 2012, 3883, 5032, 5085
Reifsnyder, W. E. 653
Reily, P. W. 5169
Reimoser, F. 3363, 4026
Reinecke, G. 3448
Reiners, W. A. 240, 4919
Reinhart, C. 5046
Reis, G. M. C. 790
Remezova, G. L. 1750
Rencz, A. N. 2913, 3655
Renggie, R. J. 4991
Rennie, J. C. 6598
Rennolls, K. 4633, 6166
Renwick, J. A. A. 1003
Repshas, E. A. 6197
Repyakh, S. M. 902, 4413
Reschke, K. 4044
Retief, P. F. 4006
Retnakaran, A. 2524, 5690, 6742
Reukema, D. L. 59, 4744
Reuveni, R. 6090
Revell, D. H. 4773
Revelle, R. 2704
Reves, Y. 3362, 5856
Revolon, C. 1019
Rexrode, C. O. 1018
Rey-Lescure, E. 2976
Reyes Carmona, R. 4366, 4948, 4951
Reyes, M. R. 4110
Reynolds, G. 2474
Reynolds, H. W. 3218
Reynolds, K. M. 2985
Reynolds, L. M. 5699
Reynolds, P. E. 1857
Reynolds, T. D. 1841
Rezanov, V. K. 97
Reznikov, V. M. 2376
Rheney, J. W. 3468
Rhody, B. 4853
Ŕiba, M. 3204
Ŕíbal, M. 1991
Ribe, J. H. 789, 4633
Ribeiro, J. C. 2294, 2295
Ricard, J. L. 6676
Ricciardelli d'Albore, G. 4797
Rice, R. M. 655, 4038, 5759
Richards, B. G. 4880
Richards, D. B. 1871
Richards, G. P. 11, 2053
Richards, J. F. 4145
Richards, P. 11
Richards, P. W. 3671
Richards, W. C. 4473
Richardson, B. Z. 2607
Richardson, C. J. 2062
Richardson, F. 4603
Richardson, J. 3152, 3499, 5903
Richardson, S. G. 2011, 6764
Richardson, T. 6481
Richmond, C. E. 4522
Richmond, G. 6270
Richmond, J. A. 5694
Richter, A. 1765
Richter, H. 6
Rickard, W. H. 299
Ride, W. D. L. 4630
Riding, R. T. 2960
Ridout, L. M. 10, 4616
Riedacker, A. 1318
Rieger, G. 2204
Riekerk, H. 3461, 4032, 5747
Rieley, J. O. 3671
Riemenschneider, D. E. 668, 2139
Ries, S. K. 4970
Rietema, J. H. 295
Rietveld, W. J. 698, 1522, 3767
Riffle, J. W. 412
Rigby, M. G. 6500
Rigby, R. 6488
Riggs, J. 31
Riihinen, P. 210, 768, 6438
Riitters, K. 201
Rikala, R. 1597, 1619
Rimmer, M. A. 4435
Río Mora 5091
Río Mora, A. A. del 5104
Riollet, G. 4
Riom, J. 3592, 3599, 3600
Ripa, A. K. 3264
Ripken, H. 2306
Risbrudt, C. D. 6245
Rishbeth, J. 6631
Rishnamurty, R. 6456
Risser, P. G. 4054, 5813
Ritcey, R. 3212
Ritchie, G. A. 3410
Ritter, H. 2303
Rittershofer, F. 5262
Rivers, C. F. 6739
Riyadi, D. M. M. 6389
Rizopoulou, S. 1338
Roath, L. R. 1975
Robbins, A. M. J. 4998
Robbins, K. 1964, 1965
Roberds, J. H. 3040
Roberge, M. R. 1504, 5344
Robert, J. F. 1140
Roberts, A. N. 4975
Roberts, B. A. 5448
Roberts, C. S. 882
Roberts, D. R. 2811, 2813, 3519
Roberts, F. 3477
Roberts, H. A. 2630
Roberts, J. 3653
Roberts, M. C. 2963
Roberts, P. S. 908
Roberts, R. B. 3700
Roberts, R. D. 559, 5764, 5765
Roberts, T. E. 4049
Robertson, A. 3297
Robertson, G. P. 600, 1756, 3290
Robertson, J. L. 531, 992, 1035, 1037, 1040, 1133, 1134, 2562, 3201
Robertson, J. M. Y. 4559
Robertson, J. S. 4059
Robinson, D. W. 5254
Robinson, P. J. 518
Robinson, R. F. 633
Robinson, V. L. 835
Robson, H. L. 5795
Rocca, J. P. 1098
Rocha, D. 5883
Rochot, A. 1730
Rockwood, D. L. 779, 1198, 2267, 3057, 6582
Rockwood, L. L. 6766
Rodgers, W. A. 5213
Rodhe, H. 3291
Rodriguez-Barrueco, C. 433
Rodriguez J., L. S. 2422
Rodríguez Peña, M. A. 4290
Rodríguez, R. 64, 1565
Roeder, A. 4155
Roeder, K. R. 3057
Roelofs, W. L. 2513
Roelofsen, W. 434
Roffael, E. 2681
Rogan, R. G. 3984, 6206
Rogers, G. F. 1292
Rogers, J. J. 4155
Rogers, L. L. 786, 1056
Rogers, N. K. 2785
Rogers, R. 136, 2250
Rogers, R. S. 1855
Roggenbuck, J. W. 1094
Rogister, J. E. 3633, 3634, 3635, 3807, 3809, 3811, 3812, 3814
Rogozin, M. V. 6419
Rohfritsch, O. 5095
Rohr, E. 2591
Roiko-Jokela, P. 1713, 2258
Roisin, M. A. 1878
Roisin, P. 3320
Roitberg, B. D. 1420
Roland, J. C. 3739
Rolfe, G. L. 794, 853, 874, 1274, 2747, 2914, 2933, 2962, 3240, 3242
Rollan, M. G. 3008
Rollet, B. 331, 3735, 4615
Rolph, K. J. 5016
Roman, J. R. 3705
Romanas, L. C. 5829
Romanova, E. A. 3813
Romero, A. 2102
Romero, R. 632
Römisch, K. 5836
Romme, W. 1118
Romme, W. H. 1284, 1873
Ronald, W. G. 3855
Ronde, C. de 4393
Rondeux, J. 3492, 4633, 5395
Ronkov, B. 5523
Roonwal, M. L. 2502, 4500
Roques, A. 994, 6713
Rose, A. H. 4494, 5227, 6111
Rose, D. W. 136, 487, 612, 636, 3542, 5356, 5657, 5945
Rose, R. 6722
Rosén, K. 6477
Rosengren, C. 570
Rosenthal, J. C. 1081
Roséry, E. 1053
Roskoski, J. P. 5443
Rosnev, B. 5609, 6630
Ross, D. H. 852
Ross, D. R. 658
Ross, L. 618
Ross, M. S. 5197
Ross, R. J. 2516, 3185, 3186
Ross, S. M. 2772
Rosswall, T. 600, 2652, 3290
Rostovtsev, S. A. 43
Roth, D. A. 12, 1389
Roth, D. M. 4145
Roth, R. R. 556
Rothemund, H. 3604
Rotheram, I. 6553
Rothermel, R. C. 2355
Rothwell, F. M. 6617
Rothwell, R. L. 6784
Rotmann, A. 867
Röttgen, T. 4318
Rottink, B. A. 83
Roussopoulos, P. J. 310
Rouysungnern, S. 2902, 2907, 2908
Row, C. 2198
Rowan, S. J. 3892, 3914, 5350
Rowe, J. S. 4144
Rowell, C. E. 3559
Rowell-Rahier, M. 4501
Rowney, D. L. 1260, 2480, 4001
Roy, A. 3866
Roy, D. J. 4003
Roy, M. K. D. 5116
Roy, R. D. 2261, 6311
Royaliński, K. 5345
Royer, J. P. 1120, 4622, 6223
Rozenberg, G. S. 4162
Rozhdestvenskiĭ, S. G. 6446

Rozhkov, A. S. 5671
Rozsnyay, Z. 2075
Ruark, G. A. 1741, 4100
Rubchevskaya, L. P. 907, 6026
Rubinstein, A. 3334
Rubluo, A. 4205
Rubtsov, M. V. 2367
Rubtsov, V. G. 747
Rubtsov, V. V. 6114
Rudin, D. 1820, 3056, 6589, 6590, 6592
Rudis, D. D. 2579
Rudloff, E. von 6048
Rudneva, I. A. 4370
Rudolph, E. 253
Rudolph, T. 2612
Rudolph, T. D. 1560, 5322
Rudolph, V. 29
Rudolph, V. J. 1709
Ruehle, J. L. 408
Rufelt, H. 1228
Rüffler, R. 5268
Rukosuev, G. N. 1101
Rumbaugh, M. D. 5247
Rummukainen, U. 1736
Rumpf, T. A. 1952
Rumsey, R. L. 4015
Rumyantseva, V. B. 1335
Rundel, P. W. 1296, 1360, 3666
Runeckles, V. C. 1231
Rung, P. G., Jr. 6386
Runge, M. 5231
Runkle, J. R. 1604
Runnalls, R. 6437
Running, S. W. 1157, 1807
Runte, A. 1502
Ruperez, A. 6701
Ruprich, J. 769
Russell, B. P. 4337, 4338, 5236, 5237
Russell, L. M. 3935
Russell, M. W. 2792
Russell, R. M. 531, 1133, 1134
Russell, S. A. 436
Russell-Smith, A. 6457
Rustagi, K. P. 4638
Ruth, D. S. 2498, 2517
Rutherford, M. C. 1296, 1363, 2255, 2256, 3558, 3765
Rutter, A. J. 1767, 6502
Ryabinin, A. G. 5629
Ryabokon', A. P. 717, 5913
Ryabukha, E. V. 5351
Ryan, D. E. 3695
Ryan, R. B. 1430, 6692
Ryans, M. 4282
Rybczyński, J. 3417
Ryker, L. C. 1443, 3168
Ryu, T. K. 557, 558
Ryynänen, L. 1559
Ryynänen, M. 55, 6591
Ryynänen, S. 4643
Ryzhkova, T. S. 5128
Rzeźnik, Z. 1555
Saalfeld, J. 4161, 4335
Saaltink, G. J. 3105
Saari, L. 2024
Saarsalmi, A. 5938
Saastamoinen, O. 1728, 2028, 2577, 2578
Saatçioğlu, F. 3316
Sabadi, R. 767
Sabato, S. 361, 917
Sabido, O. A. 5319
Sabnis, S. D. 6372
Sabol, F. 772
Sabrie, M. E. 4004
Sachsse, H. 2348
Sacks, P. J. 6431
Sacré, E. 5503
Sadeh, W. Z. 653
Sadiq, R. A. 805
Sadjad, S. 678
Sadkowska, T. M. 6679
Saenz R., J. A. 5066
Safaya, N. M. 5770
Safford, L. O. 3675
Safranyik, L. 1448, 3163, 5691
Sagl, W. 5839
Sagowski, H. 744
Sagué Díaz, H. 4122
Sagwal, S. S. 3851
Sah, A. K. 4201, 4202
Sahlén, K. 4691
Saho, H. 6095
Sahota, T. S. 2517
Said, N. D. 1167
Saijoh, Y. 218, 785, 3789
Saiki, H. 1327, 4960, 4961, 4962, 4966
Saillet, B. 3228
St. John, T. V. 5034
Saito, A. 5872, 6088, 6089
Saito, H. 2838, 2840, 2916, 3553, 3554, 4884, 5445, 5862, 5899, 6459
Saito, K. 4849
Saito, M. 149, 151, 1732, 3533, 3534, 3569, 4382, 5361, 5586, 5869, 6042, 6095, 6541
Saito, T. 4511
Saíz G., F. 512
Sajdak, R. L. 2200, 6347
Saka, S. 1326
Sakagami, Y. 1812
Sakai, A. 1806, 1808
Sakai, T. 4851, 4867, 5172, 5173
Sakakibara, A. 5529
Sakamoto, J. 4966
Sakamoto, T. 655
Sakane, T. 368
Sakhibun, M. H. 619
Sakota, J. 5366
Saksa, T. 6417
Sakuno, T. 5545
Sakurai, S. 1698, 5898, 6406
Salas, G. de las 5319, 5356, 5784
Salas, J. B. 1106
Salati, E. 3669
Salazar, R. 6585
Sale, J. S. P. 4263
Saleki, M. 655
Salem, B. B. 5592
Salgueirosa de Andrade, C. F. 5126
Salinas Quinard, R. 5021, 4472
Säll, H. O. 6255
Sallé, G. 3113
Salleh, M. N. 597, 820
Salm-Horstmar, P. F. Fürst zu 4220
Salmina, Yu. N. 2367
Salomão, A. L. F. 751
Salonen, K. 5373
Salonius, P. O. 682
Salop, J. 4934
Salsac, L. 5597
Salter, B. R. 4148
Salter, C. L. 618
Salzmann, G. 4081
Sama, G. 1954
Samejima, J. 2658, 6095
Samejima, M. 5526, 5527
Samek, V. 4123
Samet, K. 3921
Samoch, Y. 6067
Samoĭlov, B. L. 577
Samoĭlova, I. I. 695, 6463
Sampath, K. T. 4003
Sampurno, S. P. 2596
Samra, J. S. 221, 2903, 2966, 3616
Samuels, M. L. 2703
Samuelsson, H. 1165, 1618, 1663, 1774, 6310
Sanada, M. 2658
Sanadze, G. A. 2997, 4972
Sánchez, P. A. 569, 4057
Sánchez Ramírez, R. 4463, 5025, 5042, 5047, 5058
Sandberg, G. 1821
Sandeen, W. T. 6386
Sandells, A. 4137
Sander, M. 5737
Sander, N. 3314
Sanders, C. J. 4002, 6691
Sanders, D. R., Sr. 2196
Sanders, J. L. 4149
Sanders, P. R. W. 4833
Sanders, W. 2542, 5108
Sandoz, H. 3015
Sanfelieu, C. L. 6637
Sanford, W. W. 6154
Sangal, P. M. 2610
Sanktjohanser, L. 5896
Sanmugadas, K. 5490, 5491
Sannikov, S. N. 884
Sansigolo, C. A. 1218, 3761
Santamour, F. S., Jr. 1099, 4099, 4591, 5800
Santerre, M. T. 4130
Santisuk, T. 364
Santolucito, J. 5481
Santos, G. P. 2531
Santos, O. M. 5451
Santos, P. 1744
Santos Valdez, J. E. de los 4670
Sanz Muñoz, M. 2384, 2385
Sapio, F. J. 3929
Saponaro, A. 6658
Sarabhai, B. P. 4957
Saramäki, J. 1583, 1694
Sarin, Y. K. 5001
Sarma, B. S. K. 2704
Sartwell, C. 1036, 6731, 6749
Sarukhán, J. 4427, 4428
Sasaki, H. 3789
Sasaki, I. 4672, 4849, 4850, 4851, 5172, 5173
Sasaki, K. 2658, 6095
Sasaki, O. 5986
Sasaki, S. 6033
Sasaya, T. 5528, 5529
Sasekumar, A. 3236
Sassa, K. 655
Sasser, J. N. 5685
Sastrapradja, S. 4788
Satabié, B. 2429
Satake, K. 5861
Satjapradja, O. 1084
Sato, A. 5933, 5968
Sato, H. 1591, 5878
Sato, K. 450, 6000, 6095
Sato, O. 2627
Sato, T. 1572, 6095
Satoo, A. 5960
Satoo, T. 1109
Satterlund, D. R. 3607
Satyamurthi, K. R. 2285
Satyanarayana, G. 5390
Saucier, J. R. 28, 797, 798, 813, 826
Sauerwein, P. 2575
Sava, R. J. 1401, 5611
Saviello, T. B. 724, 728, 729, 1175
Savill, P. S. 6314
Savin, N. E. 531, 1133, 1134
Savinsky, H. M. 850
Savolainen, R. 580
Savvin, I. M. 339
Saw, L. G. 4719
Sawada, H. 3601
Sawintara, S. 5829
Saxena, A. K. 5001
Saxena, S. K. 5210
Sayn-Wittgenstein, L. 1516
Sayre, E. V. 6503
Scamoni, A. 1859
Scannerini, S. 5031
Scantland, A. 601
Scek, N. H. 4004
Schaafsma, A. H. 2787
Schaefer, P. W. 1428
Schaeffer, P. 5854
Schaffer, B. 5067, 5085, 5086
Schaller, G. B. 924
Schalt, J. 2580
Scharpf, R. F. 4480, 6663
Scheiring, H. 2619
Scheld, H. W. 4823
Schemske, D. W. 1982
Schenck, N. C. 3283
Schenk, K. 774
Schenker, R. 644
Schep, J. 2796
Schepp, W. 2110
Schier, G. A. 3429
Schikora, K. 2087
Schilder, R. 6183
Schiller, G. 4079, 5017, 5864
Schiller, J. M. 3289
Schimel, J. P. 4151
Schindlbeck, W. E. 4937
Schinner, F. 5346, 6623
Schinner, M. 1275, 6501
Schipper, A. L., Jr. 816
Schlarbaum, S. E. 6056
Schlegel, F. M. 3835, 4240, 4308
Schlenker, G. 5297
Schleser, G. 2664, 2710, 2854
Schlesinger, R. C. 145, 1661
Schlesinger, W. H. 246, 6520
Schmaltz, J. 2099
Schmalzer, P. A. 1888
Schmid, H. 5005
Schmid-Haas, P. 205, 606, 764, 765
Schmid, J. M. 1007, 1429, 5642
Schmidt, A. 787
Schmidt, E. L. 3085, 4471
Schmidt, F. 1430, 6441
Schmidt, R. 5267
Schmidt, R. A. 3091
Schmidt, R. A., Jr. 655
Schmidt-Vogt, H. 656
Schmidt, W. 2358
Schmidt, W. C. 2178
Schmidtling, R. C. 2401, 3053, 4699, 5349
Schmithüsen, F. 768, 2078, 3333
Schmutterer, H. 3518
Schneider, H. 2609
Schneider, I. 2569
Schneider, K. R. 5777
Schneider, M. H. 930
Schneider, P. R. 809, 5404
Schneider, R. W. 3079
Schneider, T. W. 650, 3314, 4086, 4633, 5941, 5942, 5943
Schnitzer, M. 4582
Schoch, W. 4995
Schoenberger, M. M. 1751
Schoeneweiss, D. F. 5617
Schoenfeld, C. 650
Schoenhofen, L. H. 1688
Schoenike, R. E. 2717, 4136, 4203, 4432, 6076
Schofield, P. 5661
Scholes, M. 2885
Scholten, H. 4043
Scholz, F. 258, 1227, 2716, 4371
Schomaker, J. H. 2060
Schönau, A. P. G. 652, 763, 2888, 3398, 3408, 3494, 3547, 4225, 4307, 4633, 5406
Schönborn, A. von 291
Schöne, D. 5950
Schönhar, S. 3890, 4469, 5048, 5083
Schönherr, J. 3167
Schooley, H. O. 3145, 4693, 5669
Schopf, R. 5127
Schöpfer, W. 2204, 2248, 2253
Schopfer, W. C. 1285, 2968
Schortemeyer, J. L. 2589
Schory, E. 663
Schouten, H. D. 4945
Schowalter, T. D. 1014, 1939, 3162
Schrader, S. 4153
Schramel, J. L. 1202
Schreiber, A. 5262
Schreuder, G. F. 601
Schreuder, H. T. 2825, 2826
Schrimpff, E. 3697
Schröder, W. 2812, 4912
Schroeder, H. W. 4102
Schroeder, P. B. 2194
Schroeder, P. E. 2987
Schrötter, H. 5357
Schuck, H. J. 1334, 6036
Schuh, B. A. 3179
Schultz, J. C. 6024
Schultz, R. C. 414, 2947, 3867
Schultz, V. 4606
Schulze, E. D. 1510, 4874

Schulze, J. C. 2224
Schurmann, P. 1954
Schuster, E. 2677
Schütt, P. 6036, 6039
Schutte, W. 5481
Schüttelkopf, H. 298
Schutz, C. J. 652, 3451
Schvester, D. 3933
Schwab, J. L. 5240, 5241, 5242
Schwab, J. W. 1271
Schwandt, D. L. 611
Schwappacher, B. 2191
Schwartz, E. 5268
Schwarzbart, G. 1207
Schweingruber, F. H. 4995, 5810
Schweitzer, D. L. 770
Schwenke, W. 5845
Scifres, C. J. 540, 5727, 6763
Scolforo, J. R. S. 2293
Scott, A. 4623, 4657
Scott, G. 3230
Scott, J. K. 2499
Scott, K. J. 6203
Scott, L. 3280
Scott, R. 2854
Scott, R. A. 1796
Scott, W. 438
Scotter, G. W. 3229
Scriber, J. M. 2527
Seabrook, W. D. 2516, 3185, 3186
Seaby, D. A. 2986
Seal, D. T. 3311
Searcy, J. L. 1105
Sears, M. 4006
Seastedt, T. R. 1744
Sebesta, P. 971
Sedgley, J. H. 4731
Sedjo, R. A. 613, 4146, 4658
Sedykh, V. I. 3367
Seebayer, M. 2078
Seegrist, D. W. 1002, 4633
Seekamp, G. 3688
Seemen, H. 3404
Sehgal, H. S. 4465
Seibert, P. 4127
Seibt, G. 2156, 6416
Seido, K. 3528, 3772, 3773
Seifert, J. R. 6345
Seiler, J. R. 3245
Seitz, R. 5915
Sekiguchi, S. 4657
Sekizuka, H. 1015
Selander, J. 392, 532
Selby, C. 2986
Selby, J. A. 1533
Selikhovkin, A. V. 4920
Selkäinaho, J. 6537
Selman, B. J. 6703
Sembdner, G. 5537
Semeniuk, V. 4440
Semorádová, E. 2346
Sen, D. N. 2931
Sen, P. 2236
Sen-Sarma, P. K. 1969, 3997, 4486, 6101, 6680
Senada, D. A. 5184
Sengar, R. B. S. 1593
Sennerby-Forsse, L. 6445
Senoo, T. 3529, 3690, 3691, 3692, 5426, 5427, 5428
Senters, D. 2809
Seoanez Calvo, M. 6498
Seppälä, H. 1534
Seppälä, K. 109
Seppälä, R. 1534
Seppänen, M. 2160
Sepponen, P. 843, 1168, 1600, 1713, 6776
Seredina, M. A. 2009
Serez, M. 3167
Serra V., M. T. 6069
Seryshev, A. A. 5123
Seshavatharam, V. 3774
Setsu, T. 4075
Settergren, C. D. 2003
Seuthe, H. 2147
Sevaldrud, I. 5744
Sevaldrud, I. H. 5744, 5745
Severson, K. E. 6762
Sewell, W. 138
Seymour, R. S. 1049
Shaffer, R. M., Jr. 2885
Shah, B. H. 4560
Shah, G. L. 1877, 2440, 3742, 4444
Shah, J. J. 1792, 6011
Shah, S. A. 565
Shain, L. 472
Shakir, S. H. 3639
Shands, W. E. 3285
Shani, A. 6116
Shankar, V. 5195
Shankarnarayan, K. A. 1123
Shao, P. X. 5081
Shao, Q. H. 4565
Shapiro, M. 1459, 4519
Shapiro, S. M. 4006
Sharatchandra, H. C. 6804
Sharifi, M. R. 3666
Sharik, T. L. 3781, 3865
Sharma, B. K. 2230
Sharma, B. M. 2911
Sharma, G. D. 2465
Sharma, I. K. 1934, 3101, 6674
Sharma, J. K. 1388, 4693
Sharma, K. C. 554, 2761, 4039, 6312
Sharma, K. K. 2723, 2800
Sharma, K. S. 3244
Sharma, M. 2438
Sharma, M. M. 56
Sharma, M. R. 3376, 5041
Sharma, R. P. 192, 2273
Sharma, R. S. 2860, 2862, 4249
Sharma, S. D. 2313, 2966, 3616
Sharma, S. K. 133, 2816, 2966, 3616
Sharma, V. K. 3067
Shashkin, A. V. 6812
Shaw, C. G., III 413, 1935, 3112
Shaw, D. V. 1373, 6590, 6593
Shaw, K. W. 6246
Shaw, L. J. 1766
Shaw, S. N. 4756
Shaw, W. W. 2060
Shcheredin, V. F. 1673
Shchetnikov, A. I. 5447
Shea, P. J. 529, 3700, 3981
Shea, S. R. 3083, 6641
Shearer, B. 3083
Shearer, B. L. 6641
Shearer, G. B. 3666
Shearer, M. T. 2004
Shearin, A. T. 4350
Shebeko, V. V. 3764
Sheedy, G. 5347, 5886
Sheehan, P. G. 4869
Sheehy, D. P. 536
Shehaghilo, I. M. 4691
Sheikh Ali, A. 719
Sheikh, M. I. 672, 1552, 1669, 2134, 2152, 2153, 2766, 2857, 3248, 4199, 4228, 4247, 4560, 4564, 4573
Shelbourne, C. J. A. 2720
Shellhammer, H. S. 4115, 4116
Shellito, G. A. 240
Shelyag-Sosonko, Yu. R. 2893
Shen, H. 1821, 4793
Shen, J. Y. 5081
Shepard, R. K. 684, 688, 689, 746
Shepard, R. K., Jr. 683, 685, 686, 687, 690, 691, 692, 869, 870, 871
Shepherd, K. R. 4753
Shepherd, R. F. 5702, 6696
Sheppard, L. J. 2898
Sheppard, M. I. 3711
Shepperd, W. D. 1135
Sherald, J. L. 384
Sheridan, J. M. 5756
Sherman, D. G. 569
Shetron, S. G. 2749, 2790
Shevernozhuk, R. G. 6071
Shew, H. D. 5605
Shi, W. 5633
Shi, Z. X. 1798
Shiba, M. 4849, 4850, 4851
Shibahara, T. 5428
Shibakusa, R. 1557
Shibanuma, I. 369
Shibata, C. 6095
Shibata, E. 496
Shibata, M. 1899, 3847
Shibata, N. 1711, 2820, 4960, 4961
Shibata, T. 1898
Shibata, Y. 6163
Shibayama, Z. 5391, 5392
Shida, T. 3026
Shifley, S. R. 5411
Shigo, A. L. 12, 5221
Shiibayashi, T. 5897
Shikaputo, C. 938
Shikov, K. 6361
Shilyaeva, G. V. 4415
Shim, S. Y. 396, 457
Shimaji, K. 4956, 5522
Shimazaki, Y. 3512
Shimazu, Y. 5173
Shimizu, T. 6174
Shimokawa, E. 655
Shimono, K. 5488
Shimotori, S. 563
Shimuzu, H. 5746
Shinkarenko, I. B. 717, 5414
Shiobara, Y. 2983, 2984
Shiono, Y. 3690, 3691, 3692, 5178
Shiozaki, M. 2658
Shipchanov, I. 3685
Shipkovenski, D. 2950
Shipman, R. D. 725, 3473, 3474, 5370
Shiraishi, N. 3567, 5419
Shiraishi, S. 2450
Shirley, J. W. 140, 141
Shishiuchi, M. 2336
Shiva, V. 6804
Shiver, B. D. 3468
Shkutko, N. V. 4953
Shlonchak, G. A. 69
Shmida, A. 1876, 2443, 5438
Shoji, T. 6095
Shore, T. L. 2565
Short, H. L. 1466
Shortle, W. C. 6638
Shottafer, J. E. 869, 870, 871
Shrestha, B. D. 6434
Shrimpton, D. M. 3296
Shriner, D. S. 3706
Shrivastava, R. 1666
Shrivastava, R. K. 4950
Shugaleĭ, L. S. 4586
Shugart, H. H. 3022
Shugart, H. H., Jr. 1270
Shukla, R. P. 3793
Shul'ga, V. D. 4031
Shumakov, V. S. 2906
Shumar, M. L. 1841
Shumway, D. L. 188
Shumway, J. S. 4811
Shute, D. A. 4532
Shuttleworth, C. 4124
Shutyaev, A. M. 5860
Siaw, D. E. K. A. 358
Sickle, G. A. van 3138, 3163, 3923, 3947
Siddaramaiah, A. L. 1927, 3111, 3886
Siddiqi, T. O. 4408
Siddiqui, K. M. 2133
Sidhu, S. S. 3698
Siefert, J. R. 2200
Siegel, W. C. 2690, 5831
Siegfried, W. R. 2433
Sielfeld, W. 512
Siepmann, R. 1395
Sierakowski, K. 3222
Sievänen, R. 1703
Sievänen, T. 2028
Sigal, L. L. 1259
Šika, A. 3550
Sikdar, J. K. 366
Siki, B. F. 4189
Sikora, B. 4822, 5009
Silen, R. R. 5579
Silfverberg, K. 1221, 1759, 6309
Silk, P. J. 3185, 4002, 6735
Silkworth, D. R. 242
Sillerström, E. 6260
Silva, A. R. 461
Silva H., L. J. 2162
Silva, J. A. da 809, 5404
Silva, J. C. 2462
Silva, J. V. da 1129
Silva, L. L. da 751
Silva, M. F. da 3012
Silva, N. dos A. 3948
Silva, R. F. da 2140
Silversides, C. R. 4309
Silversides, R. H. 6696
Silverstein, R. M. 3172
Silvester, W. B. 440, 2939
Simak, M. 4694
Simard, A. J. 3717, 3721
Simard, G. 1516
Simazawa, K. 5487
Simberloff, D. 1950, 1951, 5101
Simberloff, D. S. 4578
Simmons, C. 2823
Simmons, D. D. 4136
Simmons, G. 12
Simmons, G. A. 3939, 3940, 3984, 6206
Simodaira, K. 5586
Simola, H. 300
Simon, A. 918
Simons, T. 570
Simonsson, N. 1719
Simonyan, S. A. 1400
Simpfendorfer, K. J. 5816
Simpson, B. B. 1860
Simpson, J. D. 674
Simpson, P. 5163
Simpson, S. J. 353
Sinclair, B. A. L. 585
Sinclair, G. 6189, 6190
Sinclair, S. A. 4806
Sinclair, T. R. 4339
Sinclair, W. A. 3882, 5036, 5037, 5082
Sinden, J. A. 1828
Sindoro, A. 2648, 2649
Sineshchekov, V. E. 4046
Singer, J. R. 6433
Singh, A. 647
Singh, A. K. 803, 5093
Singh, B. 166, 3748, 4340
Singh, D. P. 4957
Singh, H. B. 132
Singh, J. 1892, 1893, 1894
Singh, J. S. 2845, 5001
Singh, K. 3616
Singh, K. K. 132
Singh, K. P. 2909
Singh, P. 1463, 1936
Singh, R. D. 554
Singh, R. P. 1687, 2850, 2851, 3221, 4039, 4385
Singh, R. V. 143, 2136, 2761, 3387, 6312
Singh, S. B. 2869, 5093
Singh, S. J. 3103, 5065, 5072, 5622, 6668
Singh, S. L. 3371, 4696
Singh, S. P. 2249, 2277, 2706, 2831, 2832, 2860, 2861, 2862, 3527, 4045, 4249, 4313, 4633, 4779, 4800, 5001
Singh, T. 5947
Singh, T. B. 235
Singh, U. N. 1593
Singh, V. B. 4025
Singh, V. P. 2956
Singhal, R. M. 2966, 3616
Sinha, R. L. 4783
Sinitsyn, S. G. 200, 769
Sirén, G. 2713, 4190
Siren, M. 1630
Sirois, D. L. 2201, 4269
Sisigina, T. I. 4370
Sison, J. C. 5821
Siwatibau, S. 4189
Six Dijkstra, H. G. 4990
Skärby, L. 1229
Skarpe, C. 881
Skeates, D. A. 4691
Skeffington, R. A. 5764, 5765

Skelly, J. M. 292, 296, 1251, 2955, 2958, 3682, 5482
Skelton, D. J. 6276, 6293
Skiba, L. P. 6026
Skilbred, C. L. 2010
Skimina, C. A. 5369
Skok, R. A. 622, 3287
Skolmen, R. G. 5415
Skorka, J. 6116
Skorupskiĭ, B. V. 2893
Skripachenko, V. V. 1154
Skrøppa, T. 5583, 6591
Skrzypczyńska, M. 981, 1033, 3942
Skuhravá, M. 1452
Skuhravý, V. 6109
Skulkin, V. S. 2437
Slama, C. C. 6212
Slaughter, C. W. 4042
Slaughter, G. W. 2480
Slavov, G. 6180
Slaytor, M. 3122, 5877
Slee, M. U. 892
Slessor, K. N. 3945
Śliwa, E. 6153
Smalley, G. W. 1740
Smart, N. 2867
Šmelko, Š. 772, 4836, 4837
Smeltzer, D. L. K. 3098
Smidt, S. 2339
Smirnoff, W. A. 244, 4524, 5140, 5708
Smirnov, I. A. 70
Smirnova, L. I. 4405
Smirnova, L. N. 6239
Smith, A. R. 3273
Smith, B. 2688, 3251, 4389
Smith, C. C. 3896
Smith, D. F. 6387
Smith, D. L. 1069
Smith, D. M. 2655
Smith, D. R. 6710
Smith, D. V. 6436
Smith, D. W. 376, 1914, 2001
Smith, G. 2650
Smith, G. L. 357
Smith, H. C. 836, 3428
Smith, H. G. 4149
Smith, I. W. 953, 1397
Smith, J. E. 375
Smith, J. L. 1209, 4949
Smith, L. 1261
Smith, M. 1453, 1964
Smith, N. D. 4694
Smith, R. B. 486, 3163, 5626
Smith, R. H. 5720
Smith, R. O. 2357, 2969, 3312
Smith, S. D. 3981
Smith, S. E. 6214
Smith, T. K. 2487
Smith, T. M. 3022
Smith, W. B. 824
Smith, W. H. 1254, 3625
Smith, W. K. 233, 4723
Smith, W. R. 5828
Smitinand, T. 364
Smolander, H. 2317, 2388, 6426
Smol'yaninov, I. I. 1071, 3497
Smoot, E. L. 3749
Smykała, J. 764
Smyth, J. H. 6186
Snell, J. A. K. 6511
Snellgrove, T. A. 3309, 6511
Sneva, F. A. 6751
Snickers, P. P. 1828
Snowdon, P. 3524, 3525
Snyder, C. T. 5455
Snyder, E. B. 2401
Soares, V. P. 2291, 2294, 2295
Sobotik, M. 6489
Sobotka, A. 1382
Soderstrom, T. R. 2403
Soehirlan, B. 1084
Soemarna, K. 780, 781, 782, 783, 825
Soerianegara, I. 1182
Soetrisno, B. R. 4559
Sofer, S. S. 5813
Sofranko, D. M. 6204
Sofronova, G. I. 3752
Sohlenius, B. 1963, 3640
Soikkeli, S. 267, 1230
Sokół, K. 5345
Sokolov, A. A. 654
Sokolov, L. A. 294
Sokolova, T. V. 3367
Sokołowski, A. W. 3815
Solantie, R. 6560
Solar, M. 249
Solberg, B. 767
Solberg, K. H. 656
Soldatov, S. V. 6413
Solecki, J. J. 4657
Solel, Z. 5616
Solheim, H. 6652
Sollins, P. 2765, 2939
Solomon, D. 3486
Solomon, D. S. 3864, 4633
Solomon, M. G. 6230
Somberg, S. I. 6246, 6378, 6388, 6404, 6439
Somego, M. 6082, 6086
Somi, F. G. R. 5238, 5436
Sommer, A. 2077
Sommer, H. E. 2055, 3374
Sommer, M. 1203
Son, D. S. 5018
Sonderegger, E. 5985
Sonderman, D. L. 5400, 5401
Sone, K. 525, 1960, 3181
Song, J. H. 5185
Soni, K. K. 344, 3889
Sonntag, G. 2253
Sonntag, N. C. 1483
Sono, P. 821
Sorg, J. P. 2097
Soria, S. 3199
Sosebee, R. E. 6761
Soto Soria, J. 4366
Sougnez, N. 6568
Sournia, G. 2095
South Africa, Timber Growers' Association 3281
South Africa, Wattle Research Institute 1940
Southall, K. J. 977
Southwood, T. R. E. 488, 2496
Souza, A. L. de 2292, 2294, 2295
Sovkov, A. F. 131
Sower, L. L. 1036, 6731, 6749
Spahl, H. 6194
Spálený, J. 5479, 5480
Spanier, O. J. 1439
Spank, G. 3546
Spears, J. 4035
Specht, R. L. 1111, 1325, 1361
Speechly, H. T. 1052
Speed, W. 503
Speer, E. R. 538
Speidel, G. 5262
Speight, M. R. 1052
Spellerberg, I. F. 544
Spellmann, H. 4318, 6330
Spencer, J. P. 1718
Spencer, J. S., Jr. 3287
Spethmann, W. 5249, 6073
Spiecker, H. 4425
Spies, T. A. 919, 3062
Spires, S. 984
Spirig, A. 4378
Spirina, A. G. 1070
Spongberg, S. A. 1848, 2684, 3037
Spooner, B. 2639
Spooner, V. H. 919
Sportelli, M. 4479
Sprague, E. B. 723, 724, 1173, 1175
Sprent, J. I. 440
Spring, J. D. 1983
Springer, E. P. 2004
Spurgeon, D. 5194
Squire, R. O. 651
Squires, V. R. 1976
Srimathi, R. A. 2135, 3007
Srinivasan, S. R. 3776
Srinivasan, T. T. K. 819
Srinivasan, V. M. 1685, 3064, 3852, 4200, 4451
Srivastava, B. P. 2704
Srivastava, M. M. 5001
Srivastava, N. 6690
Srivastava, P. B. L. 241, 602, 893, 4706
Srivastava, S. C. 4296, 6546
Srivastava, V. K. 1593, 1686, 2850
St-Germain, F. G. T. 4406
Stablein, J. J. 2115
Stadler, F. 2297
Stadnitskiĭ, G. V. 5087, 5629
Stadt, T. J. 1595
Staff, I. A. 4147
Stage, A. R. 763, 3022
Staines, B. W. 2659
Stairs, G. R. 1043, 4622, 5696
Staley, M. J. 1483
Stambeck, A. 6354
Stamps, D. J. 452
Stams, M. 2087
Standiford, R. B. 2841
Standish, E. D. 1394
Stankey, G. H. 1094
Stanton, N. 2504
Stanwood, P. C. 6277
Stapanian, M. A. 2399, 2400
Starbuck, C. J. 4975
Starchenko, I. I. 3497
Starfield, A. M. 4006
Stark, B. A. 140
Stark, D. 5618
Stark, E. J. 2514
Stark, J. 2331
Stark, N. 2940
Stark, R. W. 1997
Starkey, D. 1098
Starr, M. 654
Stashko, E. 2398
Stauffer, H. B. 2872
Stead, J. W. 4429, 5016
Stearn, W. T. 6549
Stebakova, V. N. 6289
Stechishen, E. 5493
Stecker, R. E. 4115, 4116
Stecki, Z. J. 2710
Steele, J. 1292
Steele, R. C. 658, 2659
Steele, T. D. 5250
Steenackers, V. 176, 4278, 4450
Stefan, K. 280
Stegman, C. E. 636
Stein, W. 3465
Steinbeck, K. 5254
Steinberger, E. H. 867
Steinbuch, E. 3801
Steinhauer, A. L. 993
Steinlin, H. 5193, 5262
Steinlin, H. J. 3315
Stelzer, M. J. 3189, 3982
Stenström, E. 6614
Stepanov, G. M. 96
Stepanova, N. T. 1745
Stephan, B. R. 2214, 2716, 3292, 5298, 5857
Stephani, P. 1108
Stephen, F. M. 1017, 1039, 5695
Stephens, G. R. 1344
Šterba, H. 2286, 3539
Štěrba, S. 555
Sterling, P. H. 6110
Stern, R. 4608
Sterner, T. E. 6096
Sterrett, J. P. 1170
Steudler, P. A. 4151
Steven, D. de 4208
Stevens, D. 4231
Stevens, D. F. 2200
Stevens, F. R. W. 4090
Stevens, M. 3220
Stevens, P. A. 5555
Stevens, R. 542, 1977
Stevens, R. E. 5630
Stevenson, G. 3081
Stewart, G. H. 4241, 4978, 5552
Stewart, H. 6483
Stewart, J. B. 653
Stewart, P. J. 98, 673, 5786
Stewart, R. E. 658, 2198
Stewart, W. D. P. 600
Stewart, W. E. 6126
Stewart, W. L. 541
Steyermark, J. A. 2424
Stibbe, E. 5856, 5917
Stichler, W. 653, 5250
Stickland, R. E. 4633
Stiell, W. M. 656, 2793, 2859
Stier, J. C. 8
Stilinović, S. 385
Still, G. N. 3922, 3957
Still, S. 6306
Stinchcombe, G. R. 2488
Stine, S. E. 1076
Stock, M. W. 992, 1424, 2525, 2540, 3201
Stocker, G. C. 4353
Stocker, R. K. 2196
Stockey, R. A. 3750
Stocks, B. J. 4144
Stöhr, D. 2204
Stoïchev, D. 5749
Stoiculescu, C. D. 4154
Stoïkov, Kh. 306
Stokes, B. J. 4269
Stokes, D. E. 4514
Stokes, M. A. 1127, 1496
Štollmann, A. 2626
Stolyarchuk, L. V. 3719
Stone, B. C. 6051, 6530
Stone, C. G. 1029
Stone, D. M. 2749
Stone, E. C. 922
Stone, E. L. 4183
Stone, J. M. 2169
Stonecypher, R. W. 6236
Stopiński, M. 4896
Storell, F. R. 5908
Storey, R. 227
Storey, T. G. 1283
Störmer, H. 5760
Storner, H. 2360
Stortenbeker, C. W. 4988
Stortz, L. 145
Stott, K. G. 2488, 2854, 4808
Stougaard, B. 4096
Stout, B. B. 188, 1103
Stout, D. 1089
Stoyanova, N. 6566
Strand, R. F. 83
Strandgaard, H. 658
Strandgaard, S. 1992
Strange, J. D. 833
Stransky, J. J. 6772, 6773
Strassen, R. zur 3927
Stratmann, W. 2358
Strauss, S. H. 3041
Strawiński, S. 4822, 5155
Strebłow, D. E. 605
Streletzki, H. W. 4318
Streule, A. 6448
Stribley, D. P. 1386
Stricklin, W. R. 3218
Stringer, J. W. 30
Strobel, G. A. 6677
Strobel, T. 6779
Stroganova, M. N. 1750
Strong, M. F. 1920
Stroo, H. F. 560
Strouts, R. G. 3901, 4865, 5604
Strub, A. 2664, 2710, 2854
Struchtemeyer, R. A. 690, 3389, 3391
Struckmann, E. 3502
Strukov, M. V. 89
Strullu, D. G. 1918
Strzelczyk, E. 4896, 5051
Strzelecki, W. 3417
Strzyszcz, Z. 283
Stuart, J. D. 3967
Stuart, M. R. 6639
Stuart, T. W. 1479
Stubbe, A. 6134
Stukely, M. J. C. 4467
Stummer, G. 5423
Sturgeon, K. B. 1366, 1376, 4109
Sturtzel, H. 2619
Stürzer-Gilbert, C. 986
Stuth, J. W. 5728, 5729
Styles, B. T. 5016, 5563
Subchev, M. A. 5103
Subramanyam, S. V. 6011
Suchanek, R. 272, 3370
Sudachkova, N. E. 2386
Sudhanshu Dwivedi 4515

Sudo, S. 6013
Suffling, R. 4389
Sugawa, T. 1966, 6001
Sugawara, R. 5718
Sugawara, S. 5904
Sugiho, K. 3402, 3496
Sugita, S. 920, 3795
Sugiura, G. 5881
Sugiyama, M. 566
Suharlan, A. 780, 6389
Suharti, M. 973
Sujan Singh 2493, 4248, 6672
Sujanin, S. 3289
Sukh, I. S. 5387
Sukhanov, P. A. 2270
Sukhanova, I. V. 6271
Sukhovol'skiĭ, V. G. 5672
Sukigara, N. 2380
Sullivan, A. D. 190, 775
Sullivan, D. S. 547, 1469, 3235, 4211
Sullivan, E. T. 3461
Sullivan, T. P. 547, 1469, 3235, 4211
Sumantri, I. 2298
Sumardja, E. A. 614
Summerer, H. 6039
Summers, D. D. B. 6230
Sumner, M. E. 699
Sun, G. T. 1883
Sun, S. C. 2684
Sun, S. H. 3069
Sun, X. J. 1866
Sundin, T. 6256
Sundström-Frisk, C. 6251
Sung, S. M. 2523
Suolahti, P. 6418
Supatashvili, A. Sh. 6142
Supriadi, D. 825
Suraqui, S. 5438
Suratmo, F. G. 3184
Surendran, C. 3442, 3526
Suriamihardja, S. 61
Sury, R. von 6491
Susano Hernández, R. 4787
Sushko, M. T. 3737
Susott, R. A. 2967
Süss, H. 2288, 2373
Šustek, Z. 527
Suszka, B. 4691, 4694
Sutherland, J. R. 448, 2498, 5040, 5601
Sutisna, M. 3438
Sutlive, V. H., Jr. 569
Sutton, W. J. 3139, 6123
Suyana, A. 783, 825
Suzaki, T. 1814, 2890, 2891, 3741
Suzuki, K. 6571
Suzuki, M. 653
Suzuki, N. 3177
Suzuki, T. 1699, 1701, 3567, 4815
Suzuki, Y. 37
Svensson, L. G. 1714
Sverdlova, O. I. 5339
Sviderskaya, I. V. 6812
Švihra, P. 1437, 6700
Svilenov, D. 2714
Swaine, M. D. 596
Swaminathan, M. S. 3032, 5214
Swaminathan, S. 983
Swamy, P. M. 338
Swan, E. P. 5524
Swank, W. T. 1605, 5167, 5250
Swanson, R. H. 3608
Sweda, T. 765, 1677, 2260
Sweden, Forskningsstiftelsen Skogsarbeten 1664
Sweden, Svensk Växtnäringsforskning 3291
Swetnam, T. W. 3265
Świeżyńska, H. 5717
Swift, L. W., Jr. 5167
Swift, M. J. 600, 2662, 6457
Swihart, R. K. 4562
Swindel, B. F. 3461, 4032, 5747, 6335
Switzer, G. L. 3088
Switzerland, Bundesamt für Forstwesen 1488
Switzerland, Eidgenössische Anstalt für das Forstliche Versuchswesen 4614
Sydes, C. 5567, 5568
Sykes, J. M. 6215
Sykes, W. R. 1853
Sylvander, R. 4747, 4799
Sylvester-Bradley, R. 3669
Sylvia, D. M. 5036, 5037
Syme, P. D. 3118
Synge, H. 596
Szalay-Marzsó, L. 1038
Szamatolski, C. G. 4082
Szarzynski, C. M. 2000
Szasz, T. 4155
Szczygiel, R. 2357
Szentiványi, P. 2495
Sziklai, O. 3051
Szittner, R. 1431
Szlabey, D. L. 4498
Szmidt, A. 6705
Szmidt, A. E. 6592
Szodfridt, I. 2220
Szontagh, P. 5664
Szymanowicz, I. 3911
Szymański, B. 3319
Tabata, K. 3206, 6151, 6745
Tabbush, P. 2779
Tabbush, P. M. 4263
Taber, R. D. 658
Tabler, R. D. 655
Tabrea, A. 4154
Tabuchi, R. 1825
Tachikawa, T. 5096, 5097
Tacon, F. le 1317, 1318, 1319, 1320, 1323, 1386, 3227
Tadaki, Y. 5933, 5968
Tadera, K. 3755
Tagat, J. 4820
Tagil'tseva, V. M. 2368
Tainter, F. H. 2901
Tainton, N. M, 4006
Taira, H. 3611
Tajchman, S. J. 3561
Tajima, M. 3848
Tajima, Y. 5489
Tajiri, A. 3834
Takahara, H. 4997, 6058
Takahara, S. 4965
Takahashi, F. 6514
Takahashi, I. 5600
Takahashi, K. 1827, 2312, 5977
Takahashi, N. 5952
Takahashi, Y. 3512
Takahata, S. 533, 2658
Takai, M. 5637, 6686
Takai, S. 4473, 6095
Takaki, J. 3557
Takami, M. 2895
Takase, I. 5712
Takata, K. 149, 150, 151, 181, 182, 206, 1710, 2878, 3533, 3534, 3536, 3586, 4052, 4106, 4321, 4322, 6403
Takata, M. 3557
Takechi, N. 6811
Takeda, A. 374
Takeda, H. 5632
Takeda, J. 3176
Takehana, S. 6095
Takehara, T. 5528, 5529
Takei, A. 655
Takenchi, K. 382
Takeoka, M. 3553, 4997, 5899, 6058
Takeshita, K. 651, 3557
Takeuchi, I. 1638, 5933, 5968
Takeuchi, K. 1697, 3568, 4657, 4659
Takeuchi, M. 4728
Takeuchi, N. 2601, 6169, 6172
Takhtajan, A. 4603
Talavera Armas, I. 4207
Talbert, J. T. 932, 6583
Talbot, H. 2822
Talley, S. N. 1307
Tälli, P. 3404
Talukdar, S. 365
Tamai, S. 4727, 4729, 4992
Tamm, C. O. 600, 606
Tamminen, H. 6307
Tamminen, P. 1925
Tamminen, Z. 1676
Tammisola, J. 6590
Tamura, H. 6095
Tan, H. T. 5394
Tan, S. H. 3185
Tanaka, H. 315, 912
Tanaka, K. 1258, 1699, 1700, 1701, 2658, 3567, 4815, 5487, 5488
Tanaka, M. 1682, 3567, 5419
Tanaka, S. 766
Tanaka, Y. 4687, 4692, 4997
Tande, G. F. 1298
Tang, H. T. 130, 552, 838
Tang, M. L. 1943
Tang, S. P. 5653
Tang, Y. C. 2684
Tang, Z. C. 236
Tangren, C. D. 1282
Tanigawa, K. 1462
Taniguchi, K. 5393
Taniguchi, S. 5340, 6192
Tanimoto, T. 5906, 5937, 6055, 6063
Tankersley, B. E. 6305
Tanner, E. V. J. 4437, 4438, 4439
Tao, C. C. C. 3128
Tao, J. R. 1862, 1865
Taoda, H. 4086
Tarabeih, A. M. 1398
Taran, I. V. 6264
Tarasenko, I. M. 1451
Taris, B. 4715, 6661
Tarkhova, T. N. 4446
Tarlos, B. 4155
Tarrant, R. F. 4708
Tattar, T. A. 1741, 4100
Tauber, H. 1341
Tausch, R. J. 2431
Taylor, D. L. 1304
Taylor, D. R. 6322
Taylor, F. W. 841, 1192, 6012
Taylor, G. E., Jr. 1277
Taylor, G. F., II 2683
Taylor, G. G. M. 3312
Taylor, J. 817
Taylor, L. R. 3931
Taylor, M. A. 3038
Taylor, P. R. 2290
Taylor, R. K. 309
Taylor, T. N. 3749, 3750
Tear, E. C. 3643
Teas, H. J. 454
Tedders, W. L. 12
Tee, G. A. C. 4441
Tee, L. A. 6166
Tee, V. 4633
Teeguarden, D. E. 2018
Teemba, L. 4617
Teigen, O. 5464
Teillet, P. M. 3591
Teillon, H. B. 3944
Teissier du Cros, E. 1112, 1319, 1322
Teivainen, T. 1990
Telfer, E. S. 658
Temmerman, L. O. de 6671
Temmlová, B. 170, 482, 1612, 1683, 1933
Temu, A. B. 764
Tenei, C. M. 3422
Tenhunen, J. D. 1217
Tennent, R. B. 2844, 4813
Tennyson, K. 3071
Teodoronskiĭ, V. S. 3762
Terada, I. 1462
Terada, M. 1785
Teräs, I. 1025
Terazaki, Y. 546
Terekhova, R. L. 5949
Terlesk, C. J. 4758
Termena, B. K. 2724
Tersch, F. 615
Tervonen, A. 2734
Tervonen, M. 1615, 1645
Tesař, V. 278, 1272
Tesche, M. 861, 5537
Teskey, R. O. 6, 2321
Teuchert, E. 5961
Teuchert, I. 5961
Teuwsen, N. 2585
Tewari, J. C. 5001
Tewari, P. K. 6547
Tewari, R. N. 768
Thai Van Trung 650
Thakur, M. L. 5635, 6680
Thalen, D. C. P. 2698
Tham, C. K. 6241, 6282
Thammincha, S. 1691
Thangam, E. S. 2682, 4279
Thapliyal, R. C. 56, 4691
Thatcher, R. C. 1105
Thayer, R. L. 6509
Theagarajan 4418
Theander, O. 336
Themaat, R. V. van 3408
Theodorou, C. 6608
Theron, J. M. 5892
Theroux, L. J. 6108
Theurer, C. 6212
Thiault, M. 1345
Thibault, D. H. 3711
Thibault, J. R. 244
Thibout, H. 1371, 1695, 1906, 5306, 5312
Thiébaut, B. 1318, 1319, 3853
Thiébaut, J. T. L. 5883
Thielges, B. A. 5573
Thies, W. G. 3110
Thill, A. 4016
Thirumulpad, T. K. 3757
Tho, Y. P. 362, 886, 1945
Thoday, P. R. 582
Thomas, A. W. 5697
Thomas, G. W. 422, 1383
Thomas, H. A. 1029
Thomas, J. F. 4605
Thomas, J. W. 2042
Thomas, R. J. 1326
Thomasius, H. 656
Thomasson, A. J. 4059
Thompson, C. H. 1478
Thompson, D. A. 2763
Thompson, D. N. 208
Thompson, E. J. 3590
Thompson, J. L. V. 193
Thompson, M. A. 3694
Thompson, S. 3046, 6179
Thompson, T. 3740
Thomson, A. J. 319, 3138, 3947, 5040, 6696
Thomson, J. H. 2776
Thomson, J. T. 4145
Thontadarya, T. S. 3208
Thor, E. 1886, 3042, 5305, 5575, 6598
Thor, E. C. 1479
Thor, G. L. 3641
Thornburgh, D. A. 3022, 5046
Thorne, I. D. P. 561
Thörnqvist, T. 6526
Thorpe, J. 1049
Thresh, J. M. 6230
Thurman, P. W. 5218
Tiarks, A. E. 2780, 3680
Tibilov, A. A. 1378, 3070
Ticehurst, M. 2557
Tidwell, T. E. 1401, 5611
Tiedeman, J. A. 3215
Tiedemann, A. R. 314
Tierson, W. C. 4707
Tietze, F. 6134
Tiffney, W., Jr. 445
Tigerstedt, P. M. A. 6231, 6589, 6590, 6591, 6592, 6593
Tiihonen, P. 1720
Tikkanen, I. 766
Tilaekratene, L. K. D. 1351
Tilborgh, T. van 3805, 3806
Tilden, P. E. 6741
Tilles, D. A. 2505
Timbal, J. 1316, 1317, 1779, 2038, 2633
Timmis, K. A. 2389
Timmons, D. R. 2324
Timonen, M. 1648
Timperman, J. 4276, 4277
Timusheva, S. 5446
Tingey, D. T. 1277, 1333
Tinley, K. L. 3647
Tinnin, R. O. 485
Tinsley, T. W. 2659
Tint, K. 764, 5941
Tinus, R. W. 412, 2067, 3364

Tippett, J. 3083
Tippett, J. T. 5221, 6641
Tischner, R. 6524
Tisdell, C. A. 3223
Tishechkin, A. N. 5868
Titov, E. V. 6286
Titova, V. G. 6788
Titzer, D. R. 6807
Tiunchik, V. K. 322, 909
Tiwari, K. K. 5116
Tiwari, K. M. 2711, 3252, 4173
Tiwari, S. C. 5001
Tjepkema, J. 435
Tjernberg, M. 6771
Tkacz, B. M. 1926
Toan, T. le 3592
Tobiessen, P. 4977
Tobolski, J. J. 1847, 2992, 5576
Tocci, A. 6580
Toda, M. J. 6107, 6139
Toda, Y. 3846, 4449
Todd, D. E. 2943
Todd, J. D. 4860, 4861
Todd, N. K. 2662
Todd, R. 3664
Todd, R. L. 1744
Todhunter, M. N. 5588
Togashi, K. 1015
Togunashi, V. S. 1851
Tohmé, G. 5711
Tohmé, H. 5711
Toit, S. H. C. du 4531
Tokarsky, B. 6016
Tokuoka, M. 3382
Toky, O. P. 5214
Tol, G. van 90
Tolin, S. A. 296
Tolkachev, L. N. 6394
Tolkamp, H. H. 4988
Tölle, H. 2233
Tolonen, K. 4144
Tomar, O. S. 4256
Tomaselli, R. 1358
Tomaszewski, K. J. 3416
Tomazello Filho, M. 418, 3869
Tomback, D. F. 2583
Tombler, G. 5832
Tominaga, Y. 5718
Tomioka, K. 1594
Tomlinson, P. B. 1852
Tong, D. Q. 5081
Tonini, C. 5645
Tonn, J. R. 2185
Topping, W. W. 5559
Torgersen, T. R. 989, 990, 995, 998, 6690, 6736
Torossian, C. 1962
Torrell, A. 5730
Torres, F. 5183
Torrey, J. G. 426, 428
Tosh, K. J. 334
Totay, N. G. 5093
Toth, J. M. 6257
Totman, C. 5275
Toufar, J. 1991
Touffet, J. 1747
Touré, M. G. 5829
Toutain, F. 1748
Touzet, G. 1576
Toval, G. 2491
Toval Hernández, G. 84, 2145
Toweill, D. E. 2042
Towler, R. W. 6191
Townsend, A. M. 3349, 5010
Toyooka, H. 2658, 5904, 5960
Toyoshiba, T. S., Jr. 4130
Toyoshima, J. 4534
Trabaud, L. 1291, 1345
Trabelsi, H. 1231
Tracey, J. G. 588, 596
Trambitskaya, E. V. 3367
Trampler, T. 250
Tran Van Nao 4065
Tranquillini, W. 1510, 2452, 4875
Tranter, R. B. 2710
Trappe, J. M. 410, 417, 2765, 3076, 6611, 6621
Trask, A. B. 6230
Trauboth, V. 2216, 5215
Treĭkyashki, P. 2919
Trejo Perez, J. L. 4493
Trenard, Y. 2034
Trenchev, G. 6180, 6182
Treshchevskaya, È. I. 4048
Treshow, M. 866, 1257
Trifonov, T. 6180
Trillmich, H. D. 1650
Trimble, A. F. 1997
Trimble, J. L. 296
Tripathi, G. S. 5001
Trivedi, M. M. 1723
Trlica, M. J. 2377, 3209
Troeng, E. 1229, 1765, 1819
Trollope, W. S. W. 3723
Troup, R. S. 4118
Trouse, A. C. 4379
Tsankov, G. 5715
Tsaregradskaya, S. Yu. 579
Tsay, M. L. 3302
Tsel'niker, Yu. L. 6446
Tsonkov, L. 5967
Tsuda, K. 2658
Tsui, C. 1571
Tsuji, S. 372
Tsuji, T. 2680
Tsujita, A. 5884
Tsukada, M. 920, 921, 3770, 3795
Tsukahara, H. 655
Tsukamoto, Y. 1797
Tsuneda, A. 478
Tsuru, H. 1797
Tsutsumi, J. 3384
Tsutsumi, T. 287, 302, 654, 1591, 1825, 2745, 2746, 2915, 4721, 4886, 4888, 5158
Tsuzuki, K. 5861
Tsyganova, O. P. 5165
Tubaki, K. 4511
Tubbs, C. H. 702, 707
Tucker, R. 3212
Tucker, R. P. 4145
Tucker, W. 5233
Tucović, A. 385
Tueller, P. T. 4149
Tufts, R. A. 2806
Tuimala, A. 1652
Tuley, G. 4246, 5364, 6325
Tumey, P. R. 376
Tuomi, P. 1651
Tuomi, T. 2334
Turakka, A. 6329
Turchetti, T. 1403, 5074
Türk, R. 265
Turkkila, K. 4643
Turlakov, P. 5307
Turnbow, R. H. 3162
Turnbow, R. H., Jr. 528
Turnbull, J. 2412, 2413
Turnbull, J. W. 4189, 6292
Turnbull, K. J. 2274
Turner, B. J. 140, 208
Turner, H. 4870, 6448
Turner, J. 857, 2404, 2405, 2406, 2407, 2408, 2419, 3396, 3802, 4913, 5460, 5461, 5561, 5562
Turner, R. J. 817
Turner, R. R. 3706
Turundaevskaya, T. M. 3268
Turvey, N. D. 5461
Tuskan, G. A. 6596
Tuthill, C. 5481
Tuttle, C. L. 784
Tuyll, C. N. van 5258
Tuyll, C.v. 2078
Tyabera, A. P. 156, 169, 2247
Tyerman, S. 227
Tyree, M. T. 1510
Tyron, E. H. 3247
Tyrrell, D. 5690
Tyshkevich, G. L. 6050
Tyukavkina, N. A. 6027
Tyystjärvi, P. 2160
Tzschacksch, O. 3842, 5463
Uchimura, E. 5389
Uchimura, K. 2834
Uebel, E. 1650, 6606
Ueckermann, E. 2587
Ueckert, D. N. 5725, 6285
Ueda, A. 2680
Ueda, K. 1840
Ueda, M. 4019
Ueda, S. 2915, 4767, 4886, 4888
Uenaka, K. 505, 1558, 5120
Uenaka, M. 4887
Uenishi, K. 4824, 4825
Uenishi, S. 4824
Uenishi, Y. 173
Ueno, M. 5494
Ueno, Y. 2870
Ugalde Arias, L. A. 5202
Ugalde, L. A. 5415
Uggla, H. 3271
Uggla, Z. 3271
Ugolini, F. C. 652
Uhart, E. 5293
Uhl, C. 3664, 5496, 6554
Uhlig, S. K. 6094
UK, Agriculture Panel, Intermediate Technology Development Group 3255
UK, Countryside Commission for Scotland 4089
UK, Forestry Commission 2359, 4530
UK, Home Grown Timber Advisory Committee 2359
UK, House of Lords 2675
UK, Institute of Terrestrial Ecology 6215
UK, Land Resources Development Centre 5785
Ulbricht, R. 2242
Ulliman, J. J. 3601
Ulrich, E. 4590
Umarov, M. M. 5983
Umbach, D. D. 264
Umemura, T. 765, 1677
Underhill, E. W. 3183
Unestam, T. 5055
Ung, C. H. 194
Ungson, L. B. 4788
United Nations Development Programme 2100
United Nations Educational, Scientific and Cultural Organization 3336, 5783
United Nations Environment Programme 591, 5264
Uniyal, B. P. 4783
Uno, M. 1462
Unrinin, G. 5881
Unsworth, M. H. 1276
Unwin, G. L. 4353
Uozumi, T. 1987
Uozumi, Y. 5366, 5417, 5420, 5421
Upadhyay, R. K. 4883
Upadhyaya, A. K. 1687
Uppadhyay, R. K. 1666
Urban, D. 3135
Urban, J. 1452
Urness, P. J. 3217
Uroševič, B. 1921
Urquhart, D. A. 3896
USA, Acid Rain Task Force 5477
USA, Alabama Forestry Commission 4107
USA, American Society of Photogrammetry 2663
USA, Bureau of Forestry, Maine Department of Conservation 1045
USA, Bureau of Governmental Research and Service, University of Oregon 2653
USA, Council of State Governments 3330
USA, Forest Service 1125, 2054, 2357, 2686
USA, Forest Service, Timber Management Research 1126
USA, Lund Wilk Scott & Goodall 1044
USA, Midwest Forest Mensurationists 136
USA, National Association of State Foresters 1125
USA, National Council of the Paper Industry for Air and Stream Improvement 4386, 4387
USA, National Research Council, Committee on Selected Biological Problems in the Humid Tropics 3279
USA, North Central Forest Experiment Station 3424
USA, Society of American Foresters 1074
USA, Society of American Foresters, Georgia Chapter 700
USA, Soil Conservation Society of America 5824
USA, Solar Energy Research Institute 3336
Ushkova, E. V. 4293
Usman, S. 6154
Usol'tsev, V. A. 6400
Usol'tseva, L. P. 4414
Uspenskiĭ, V. V. 155, 6402
Usui, H. 652, 2622, 5457, 5494
Utkin, A. I. 6446
Utsumi, T. 223
Uusvaara, O. 1769
Uzolin, A. I. 2246
Vaes, L. 4138
Vaganov, E. A. 6812
Vahle, J. R. 4007
Väisänen, J. 1634
Väisänen, S. 1411
Vakurov, A. D. 6274
Vale, A. B. do 2275
Valenta, V. T. 5109, 6712
Valenta, Z. 3186
Valentine, H. T. 2539, 5650
Valéro, J. R. 4524
Valfer, E. S. 1207
Väliaho, H. 1693
Valjalo, J. 3870
Valle Arango, J. I. del 2265
Valle, E. Della 483, 5625
Valle, J. I. del 2268, 5415
Vallée, G. 1550, 2614, 5832
Vallejo, R. 4354
Vallet, É. 514, 3169
Valsta, L. 1729
Valtanen, E. 1583
Valtanen, J. 1651
Vandenbrink, J. H. 5245
Vandre, W. 4140
Vannière, B. 1324
Vapaavuori, E. 2388
Varfolomeev, V. E. 6371
Varma, A. 4003
Varma, R. 379
Varma, R. V. 1425
Varmah, J. C. 2235
Varmola, M. 152, 153, 1644, 6362
Vasechko, G. I. 3790, 6145
Vasenkov, G. I. 158, 180
Vasey, R. B. 1810
Vasilev, V. N. 2807, 5895
Vasilevskiĭ, A. B. 2679
Vasilevsky, A. 136
Vásquez Torres, M. 361
Vásquez-Yanes, C. 4602
Vassel', Ya. M. 3752
Vauban, S. de 2080
Vaux, H. J. 4316
Vaux, H. J., Jr. 4316
Vavra, M. 6754, 6755
Vázquez Collazo, I. 4507, 5042, 5058
Vázquez Torres, M. 917
Vázquez-Yanes, C. 2402
Veblen, A. T. 3835
Veblen, T. 4874
Veblen, T. T. 3835, 4240, 4241, 4308, 4978, 5552
Veenendaal, W. L. H. van 1781, 3744
Veer, C. P. 4121
Veer, V. 1969, 3997
Veermets, M. 3404
Vega Condoori, L. 5356
Veiga, A. de A. 5825
Veijalainen, H. 1582, 1760

Veilleux, J. M. 5918
Veirs, S. D., Jr. 1294, 2817
Veivers, P. C. 3122
Vel, E. 4843, 4844
Velasco de Pedro, F. 3628
Velasco, F. 2314, 2315
Velez Muñoz, R. 2363
Velichko, N. A. 902, 4413
Velling, P. 304, 6590, 6599
Venegas Tovar, L. 2116
Veneman, P. L. M. 4100
Venet, J. 1319
Venezuela, Instituto Forestal Latinoamericano, Laboratorio Nacional de Productos Forestales 6216
Venkaiah, K. 3180
Venkataramaiah, V. 338
Venkatasubramanian, N. 2989
Venkatesh, C. S. 3065, 3837
Venketeswaran, S. 4216
Vera, F. W. M. 3224
Veracion, A. G. 1480
Verbay, J. 4155
Vercesi, A. 3086, 4474
Verdonschot, P. F. M. 4988
Veretennikov, A. V. 3763
Vergara, N. T. 5206
Verger, F. 3595
Verhegghe, J. F. 3434
Verhoeven, T. 2939
Verinumbe, I. 5205
Verkade, S. D. 5599
Verkoren, J. 2696
Verloren van Themaat, R. 3408
Verma, S. C. 3715
Verner, J. 1142, 1464
Vernet, J. L. 1316
Vernet, P. 1319, 3853
Veroustraete, V. 3805
Verrier, P. 661
Verry, E. S. 816, 2324, 2337
Verschunen, J. 5734
Versoi, P. L. 988
Verzhutskiĭ, B. N. 5123
Vesikallio, H. 196
Vestjens, J. P. M. 4988
Vézina, P. E. 1504
Viart, M. 2803
Viaux, H. 2030
Vibe, D. de 1060
Victor, M. 651
Victoria, R. L. 3620, 3669
Vidaković, M. 399, 931
Videla Pilasi, E. O. 5356, 5784
Vidgren, J. 6592
Vidrich, V. 2710
Vielma-Orozco, P. E. 3980
Viereck, L. A. 4144, 5996
Vilks, M. K. 5110
Villa, A. 3702
Villa Salas, A. B. 4566, 4798
Villagómez Aguilar, Y. 4204
Villar Celorio, M. C. 4394
Villaseñor Rojas, R. 4215
Villavelez, L. V. 318
Villavicencio Ruiz, E. 4366
Villegas Cázares, I. 4290
Vinis, G. 3928
Vinš, B. 3550
Vinther, E. 4986
Vinueza, G. N. 2327, 2328, 2329
Virendra Singh 2136
Virginia, R. A. 3666, 6625
Visetsiri, K. 6313
Vishnaykova, Z. V. 1746
Vishnyakova, Z. V. 1746
Vital, B. R. 2350
Vitali-di Castri, V. 1215
Vité, J. P. 2549, 2571, 3167, 5713
Vitek, J. D. 4149
Vitousek, P. M. 1756, 4919
Vlasov, B. E. 187
Vlcek, J. 6435
Vliet, I. M. van 3263
Vodak, M. C. 29
Voerman, S. 508
Vogel, W. G. 6617
Vogt, D. 6508
Vogt, F. 4137
Vogt, K. 6476, 6508
Vogt, K. A. 945
Voipio, P. 1736
Voipio, R. 2
Voiry, H. 1380
Volger, C. 4942
Volkart, C. M. 5356
Volkoff, B. 2918
Volkovich, V. B. 6065
Vollesen, K. 1343
Volney, W. J. A. 3946, 6700
Vompersky, S. E. 654
Vora, A. B. 3244
Vorob'ev, G. I. 1101
Voronin, I. V. 1101
Voronkov, N. A. 653
Vorontsov, A. I. 3
Vorontzova, L. I. 4405
Voss, F. 6213
Voss, R. 619
Voss, W. A. 5737
Votintseva, S. K. 6027
Voûte, A. M. 4988
Vreeland, H. 3876
Vreeland, P. 3876
Vries, B. W. L.de 4988
Vries, H. de 31
Vuokila, Y. 1632, 1633, 1693, 6331
Vuure, T. van 4988
Vyachkilev, V. V. 94
Vyrodov, V. A. 4293
Vyskot, M. 762, 3282
Wada, S. 4867
Wade, D. D. 2362
Wadhams, L. J. 2566, 3170, 3175
Wadsworth, F. H. 4781
Wagar, J. A. 1494
Waggoner, P. E. 1344
Wagner, A. 5161, 5848
Wagner, C. E. van 2873, 4144, 5396
Wagner, G. 3708
Wagner, H. J. 2728
Wagner, J. L. 1984
Wagner, M. R. 3179
Wagner, T. L. 1014
Waide, J. B. 1744
Wainwright, M. 2952
Wainwright, S. J. 1766
Waisel, Y. 2049, 6067, 6201, 6202
Wajland, M. 693
Wakabayashi, K. 4511
Wakabayashi, R. 2312
Wakelyn, N. T. 4934
Walden, J. 413
Waldron, L. J. 4561
Waldvogel, M. G. 6689
Wałecki, M. 5359
Walfridsson, E. 1639
Wali-ur-Rahman 3205
Walker, B. B. 4625
Walker, B. H. 3294, 3788, 4348, 5723
Walker, J. 588, 3723, 3821
Walker, J. C. F. 2666
Walker, K. 4758
Walker, R. B. 4811
Walker, R. S. 4158
Walkinshaw, C. H. 465
Wallace, A. R. 4602
Wallace, J. B. 852
Wallace, J. S. 3653
Wallace, L. L. 1807
Walldén, J. 1715
Waller, D. A. 1449
Wallis, G. W. 1039
Wallmo, O. C. 3278
Wallner, W. E. 498, 5650
Walsh, B. M. 4869
Walsh, G. E. 6488
Walsh, M. A. 2482
Walsh, S. J. 4149
Walstad, J. D. 2197
Walt, P. T. van der 4006
Walter, F. 2278
Walter-Jørgensen, A. 1085
Walter, S. 6143, 6740
Walters, N. E. M. 1500
Walton, G. S. 3992
Wamer, N. O. 1062
Wan, J. X. 2684
Wang, B. S. 1570
Wang, B. S. P. 4628, 4694
Wang, D. C. 764
Wang, E. I. C. 841, 1192
Wang, F. H. 1834, 1835, 1836
Wang, H. D. 1668
Wang, K. J. 1568
Wang, L. 2560
Wang, P. Y. 2523
Wang, Q. H. 5186
Wang, S. 5640, 6652
Wang, S. C. 2813, 4675
Wang, T. H. 4289
Wang, W. Y. 1754
Wang, X. P. 1879
Warburton, B. 5256
Ward, C. J. 3024
Ward, D. E. 880, 4388
Ward, E. J. 1529
Ward, H. A. 3023
Ward, J. P. 4761, 4769
Ward, L. K. 596, 4596
Wardle, J. 4870
Wardle, P. 1806, 4874, 4875
Wareing, P. F. 2659
Wargo, P. M. 5650, 5688
Wari, M. 6154
Waring, H. D. 3524
Waring, R. H. 2987, 5117
Warkotsch, W. 567
Warner, T. E. 1309
Warren, L. E. 1622, 3475, 3476
Warren, S. L. 874
Washbourn, R. W. 142
Washburne, R. F. 2026
Washio, R. 3325, 5273, 5274
Wasilewska, L. 4508
Wasilewski, A. 3222
Wästerlund, I. 3072, 4375
Watanabe, A. 5353, 5459
Watanabe, H. 222, 505, 546, 1558, 4887, 5158
Watanabe, K. 4194, 4195, 4196, 4447, 4448
Watanabe, M. 1840, 4816, 6095
Watanabe, S. 655
Water, T. P. M. van der 5098
Waterhouse, J. T. 4147
Waterman, P. G. 1986
Waters, W. E. 3946
Wathelet, J. P. 5133
Watkins, C. 5901
Watling, R. 2662
Watson, A. 5148
Watson, A. E. 1094
Watson, A. P. 2027
Watson, G. A. 5209
Watson, G. W. 898, 4087
Watson, H. K. 6765
Watson, J. A. L. 6733
Watt, R. F. 694
Watt, W. J. 1271
Watts, S. B. 5228
Wawer, M. 926
Way, M. J. 3030
Wayne, W. J. 6056
Wciślińska, B. 3383
Weatherspoon, D. M. 2786
Weaver, C. A. A. 5698
Weaver, G. T. 1897
Webb, A. L. 2781
Webb, C. 5247
Webb, D. P. 1608, 3419, 4475
Webb, E. 1336
Webb, J. W. 1939
Webb, L. J. 588
Webb, P. G. 1930
Webb, R. 5815
Webb, R. H. 4111
Webb, R. R. 5257
Webb, R. S. 716, 3104
Weber, B. C. 12
Weber, E. 291, 2340
Weber, H. 4071
Weber, M. G. 4144
Weber, R. L. 4093
Webster, S. R. 2753, 2754
Wee, Y. C. 758
Weege, K. 2174
Weems, M. L. 5709
Weetman, G. F. 651, 2752
Wegwitz, E. 3947
Wei, Y. C. 1668
Weible, R. E. 1065
Weicherding, P. J. 593
Weidelt, H. J. 656, 2078
Weidenbach, P. 21
Weidenfeller, T. A. 3479, 6350, 6351
Weidensaul, T. C. 3390
Weigel, H. J. 262
Wein, R. W. 4144
Weinstein, A. 4079, 5866
Weinstein, D. A. 3022
Weinstein, L. H. 1253, 1278
Weinzierl, W. 1072
Weir, R. J. 3052
Weischet, W. 5262
Weisgerber, H. 2131, 2211
Weiss, M. 1554
Weissen, F. 4892
Weissenberg, K. von 3292
Weisser, P. J. 3024
Welch, B. L. 535, 537, 3213, 5741, 6753
Weller, F. 6522
Wellman, J. D. 3261
Wells, C. H. 4264
Wells, G. C. 139, 3530
Wells, K. F. 4764
Wells, L. G. 970
Wells, O. O. 3088, 5315, 5316
Wen, R. Z. 521
Wencl, J. 2693
Wendel, G. W. 3356, 3469
Wenham, M. J. 3175
Wenk, G. 5836
Wensel, L. C. 1479
Wentz, F. 2606
Wentzel, K. F. 269, 4933, 4939
Wenzel, B. 897
Werf, S. van der 4988
Werger, M. J. A. 4608
Wergin, W. P. 1454
Werker, E. 6006
Werner, A. 1413, 1414
Werner, M. 1614, 5572
Wernicke, F. 2029
Weseloh, R. M. 498, 991, 1004, 3989, 5135, 6730
Wessels, N. O. 763
Wessén, B. 6460
West, D. C. 1270, 1540, 2943, 3022
West, J. D. 2589
West, J. R. 3172
West, N. E. 1302, 2431, 3265, 4532
West, P. C. 1095
West, S. D. 658
Weste, G. 452, 948, 5050
Westfall, R. 5333
Westhus, W. 5006
Westman, C. J. 1214, 6307
Westman, L. 1234
Westman, W. E. 1296, 1874, 1875
Westra, J. J. 5002
Weyers, R. E. 41
Wheeler, B. E. J. 6659
Wheeler, C. T. 432, 439
Wheeler, E. A. 1796, 6009
Wheeler, G. L. 2792
Wheeler, N. C. 2758, 3059
Whicker, F. W. 4606
Whisenant, S. G. 5725, 6285
Whitcomb, C. E. 3412, 4095
White, B. J. 31
White, D. E. 3477, 4285
White, E. H. 2173, 3610
White, G. 245
White, G. F. 591
White, J. 985, 2504, 4160
White, R. 4907
White, S. M. 6753
White, T. A. 1274
White, T. L. 3049
White, W. A. 3163, 5286
White, Z. W. 5831

Whitehead, D. 6, 377, 3001, 3652
Whitehead, D. R. 5707
Whitehead, M. J. 5799
Whitehead, P. F. 5963
Whitford, P. B. 4608
Whitford, W. G. 1744
Whiting, P. 4406
Whitmore, J. L. 657, 5252, 5319
Whitmore, M. E. 2345
Whitney, G. G. 6572
Whitney, H. S. 1439
Whitson, R. E. 540
Whittaker, H. A. 1484, 2710
Whittaker, R. H. 1876, 4005
Whitten, A. J. 4537
Whoriskey, F. G. 1066
Whyte, A. G. D. 138
Wiant, H. V., Jr. 1681, 2827, 3561, 6386, 6387
Wicker, E. F. 3906
Wicker, M. 4491
Wickliff, C. 1385
Wickström, R. 1774
Widdowson, J. P. 1381
Wiebecke, C. 32, 2103
Wiebes, J. T. 2397
Wiersma, G. B. 1250
Wiersum, K. F. 2017, 2687, 4121, 4608
Wiese, B. 1228
Wiesner, C. J. 3185
Wiff, M. 2058, 2108
Wigston, D. 1551
Wigston, D. L. 504, 2019
Wiklander, G. 3621
Wikstrom, J. 764
Wilcox, H. E. 3880
Wilcox, M. D. 2720, 3100, 6575
Wild, I. W. 138
Wilde, K. 5250
Wilde, S. A. 5593
Wildish, D. J. 1226
Wilgen, B. W. van 4390
Wilhelmij, H. 1486, 2888
Wilke, R. H. B. 3549
Wilkes, J. 3084, 6633
Wilkinson, G. 2040
Wilkoń-Michalska, J. 5009
Willhite, E. A. 2525
Williams, B. L. 4359
Williams, C. B. 3201
Williams, D. A. 939
Williams, D. G. 202
Williams, D. L. 3589
Williams, E. R. 1689, 3409, 5348
Williams, F. M. 6148
Williams, G. 4291
Williams, G. H. D. 3297
Williams, I. L. 2811
Williams, J. 594
Williams, J. C. 3092
Williams, J. G. 4350
Williams, J. G., Jr. 813
Williams, L. H. J. 6549, 6550, 6551
Williams, M. 4145
Williams, R. A. 1628
Williams, R. D. 698, 3341
Williams, R. E. 2484, 3887
Williams, R. V. 583
Williams, T. M. 2901
Williams, W. T. 2344
Williston, H. L. 2166
Willm, F. 1735
Willmot, A. 4563
Willms, W. 3212
Wills, W. H. 6644
Wilshire, H. G. 4111
Wilson, B. F. 873
Wilson, B. G. 6499
Wilson, G. E. 4285
Wilson, G. G. 5690, 6723
Wilson, J. 3874
Wilson, J. D. 126
Wilson, K. W. 5367, 5368
Wilson, L. F. 12, 1450, 3929, 5296
Wilson, P. 3251
Wilson, P. J. 2666, 4636
Wilson, R. 2354, 3696
Wilson, R. A., Jr. 2354
Wilson, R. V. 141, 2858
Wilson, S. W. 12
Wilson, W. L. 5149
Windsor, D. M. 911, 5808
Winer, N. 4685
Wingate-Hill, R. 4766
Wingerd, D. E. 1681
Wingfield, M. J. 1965, 5682
Wingfield, M. K. 6636
Winkelbrandt, A. 4083
Winkler, D. 38
Winner, W. E. 1339
Winquist, E. 5245
Winsauer, S. A. 3344
Winston, D. A. 4692
Winter, R. 1453, 2225
Winter, T. G. 3953, 6729
Winterberger, K. C. 2663
Winters, D. A. 2003
Winward, A. H. 536
Winzeler, K. 765
Wirén, A. 3115
Wisheart, C. J. 5163
Wiśniewski, J. 6679
Witavatchutikul, P. 2907, 2908
Witcher, W. 1407
Withycombe, R. P. 2302
Witter, J. A. 500, 509, 1495, 3984, 6206, 6431
Wittich, W. 2156
Wittmer, W. 2503
Wittwer, R. F. 1660, 2004, 4908, 5772, 5774, 5777, 5779
Witztum, A. 5873
Wofford, B. E. 6052
Wohlwill, J. F. 2060
Wójcik, T. 122
Wolf, G. 3800
Wolf, L. J. 6292
Wolf, R. E. 768
Wolfe, M. L. 1285
Wolffsohn, A. 3832, 4273
Wollum, A. G. 438
Wolters, G. L. 5731, 6759
Wong, C. Y. 3128
Wong, H. R. 4498, 6099
Woo, B. M. 5162
Woo, C. C. 4807
Wood, B. 3297
Wood, B. W. 1595
Wood, C. E., Jr. 3014
Wood, D. L. 2505, 3965, 6741
Wood, G. W. 2061, 4141, 4548
Wood, L. J. 4178
Wood, P. J. 3311
Wood, S. L. 513
Wood, W. 971
Woodall, S. L. 2193
Woodard, P. M. 4686
Woodley, S. J. 4144
Woods, N. P. 3584
Woods, R. F. 5296
Woods, T. A. D. 448, 5040
Wooller, R. D. 4541
Woollons, R. C. 3524
Wooten, R. E. 2786
Wooten, T. E. 4251
Worf, G. L. 2567
World Bank 5288, 5294
Wormald, T. J. 4159
Worou, L. 4065
Worrall, J. 4434
Worrall, J. J. 2374, 4980, 5053
Wouters, L. J. A. 508
Wrangham, R. W. 1986
Wright, C. G. 3930, 3931
Wright, H. 762
Wright, H. A. 538, 1507
Wright, H. L. 4633, 4637
Wright, H. M. 3300
Wright, J. A. 3346
Wright, J. E. 5045
Wright, J. W. 3349, 5574
Wróblewski, L. 3572
Wu, C. B. 6682
Wu, G. 4793
Wu, H. 1784
Wu, J. F. 521
Wu, Y. J. 1967
Wulf, A. 3195
Wullschleger, S. D. 946, 5085
Wunsch, K. 811
Wünsche, H. E. 2087
Wuorenrinne, H. 584
Wyant, J. G. 1301
Wyatt, C. L. 1723
Wyatt-Smith, J. 4058
Wyckoff, G. W. 5304
Wyk, B. E. van 4191, 5863
Wyk, J. J. P. van 3765
Wylie, F. R. 1941, 5540
Wynens, J. C. 677
Xenopoulos, S. 5071
Xu, D. X. 1667
Xu, G. H. 3636
Xu, G. T. 5136
Xu, W. D. 1882
Yadav, A. S. 3420, 4410
Yadav, B. P. S. 4003
Yadav, B. R. D. 3124
Yadav, J. S. P. 4256
Yadav, S. S. 4444
Yagdyev, A. 3919
Yagi, F. 3755
Yagi, H. 5971
Yagi, K. 5531
Yagi, T. 5292
Yahner, R. H. 4562
Yajima, T. 177, 5413, 5766, 5767, 5768
Yakovenko, I. G. 6268
Yakshina, A. M. 6034
Yamada, F. 6120
Yamada, I. 3314
Yamada, Y. 4672
Yamaguchi, H. 3605
Yamaguchi, K. 4956
Yamahata, K. 2651, 4236, 4237, 4238, 4301, 5433
Yamaji, K. 1594
Yamamoto, C. 1900, 1907, 5585, 5586, 5869, 6072, 6095
Yamamoto, E. 149
Yamamoto, F. 3741
Yamamoto, K. 374, 2839, 5999, 6014
Yamamoto, M. 1679, 3307, 6107
Yamamoto, N. 5321
Yamamoto, T. 4236, 4237, 4238, 4849, 4851, 4867, 5862, 6163
Yamanaka, K. 4511
Yamane, A. 1958
Yamasaki, S. 3206
Yamasaki, T. 3177
Yamashina, K. 2855, 2856, 3259
Yamashita, Y. 6028
Yamaya, K. 6155
Yambe, Y. 5468, 5969
Yamoto, T. 4850
Yanagida, Y. 566
Yanchuk, A. D. 1192
Yancik, R. F. 1285, 2968
Yañez Márquez, O. 5020
Yang, D. 449
Yang, S. I. 479, 481
Yang, S. Y. 1571
Yang, Y. C. 764, 770, 1696, 5402
Yang, Y. S. 3682
Yanovskiĭ, V. M. 5673, 6144
Yantko, J. 6481, 6482
Yanushko, A. D. 1101
Yao, B. J. 1789
Yared, J. A. G. 5358
Yashiro, M. 15
Yasuda, S. 3755
Yasui, H. 2818, 2835, 3543
Yatabe, T. 5457
Yates, L. R. 3668
Yates, P. 5756
Yatsyk, R. M. 935, 6577
Yavitt, J. B. 3656
Yavorsky, J. M. 35
Yawney, W. J. 2947
Yazdani, R. 6592, 6593
Yde-Andersen, A. 1399
Yearian, W. C. 1039, 2519, 3187, 5693, 6725
Yeh, F. C. 397, 1375, 3051
Yeiser, J. L. 2897, 3055
Yemanos, D. M. 4137
Yendol, W. G. 988
Yerke, T. B. 4153
Yershov, E. V. 2187
Yi, C. K. 479, 480, 481, 5076, 6673
Yi, C. Y. 289
Yik, C. P. 1455, 4513
Yim, K. B. 4456, 4694
Ying, C. C. 2758, 3350
Ying, S. L. 5594
Ying, T. S. 2684
Yingwanasiri, T. 6603
Yoda, K. 3638, 3670
Yoganarasimhan, S. N. 1851
Yokobori, M. 6494
Yokomizo, Y. 3176
Yokota, S. 3898, 6095
Yokota, S. I. 3906, 6092, 6093
Yokoyama, T. 6095
Yokozawa, Y. 6095
Yoneda, T. 3622
Yoo, J. W. 124
Yoshida, H. 5173, 5174
Yoshida, K. 5982, 6121, 6122
Yoshida, M. 4040, 5861
Yoshida, N. 2658
Yoshida, T. 5224
Yoshida, Y. 4683
Yoshikawa, K. 510, 1960
Yoshimoto, T. 2736, 5526, 5527
Yoshimura, K. 4683, 4767, 4867, 5157
Yoshimura, R. 3745
Yoshitake, T. 2896
Yoshizawa, N. 5519, 5521, 5522
Yosimoto, M. 5879
You, J. W. 167
Younan, E. G. 490
Young, B. L. 1946
Young, H. E. 733, 762, 763, 789, 3548, 4154, 4633
Young, I. 5935
Young, J. A. 3029, 5730
Young, J. D. 1087
Young, J. L. 5598
Young, R. A. 640, 1508
Young, S. Y. 1039, 3187
Young, W. F. 2928
Youngberg, C. T. 438
Younis, M. M. 1398
Yu, C. S. 1670
Yuan, R. L. 5653
Yuan, X. Z. 1798
Yuasa, Y. 2151, 3436
Yudin, D. G. 5492
Yukawa, J. 5679
Yumoto, M. 5515
Yun, Y. 333
Yunus, D. 6017
Yunus, M. 6017
Yurkov, S. 5992
Yurugi, Y. 320, 321, 340
Yuruki, T. 3454
Yusuf, H. 821
Zabkiewicz, J. A. 970
Zaborsky, O. R. 5813
Zabuga, G. A. 6413
Zabuga, V. F. 6413
Zachar, D. 2628
Zackrisson, O. 1313
Zaerr, J. B. 4903
Zagreev, V. V. 2050
Zaharudin, N. 5217
Zahnd, E. 2219
Zaidi, S. H. 1842
Zajączkowski, J. 4154
Zakaria, I. 1573
Zakaullah 4492
Zakharova, T. I. 2492
Zalasky, H. 5362
Zambonelli, A. 6612
Zambrana, J. A. 5267
Zamora, B. A. 2876, 3022, 6760
Zamora, M. D. 569
Zamora Serrano, C. 4952
Zamuco, G. I., Jr. 1329
Zanetti, M. 2678

Zanuncio, J. C. 5119
Zapién Barragán, M. 4255
Zaręba, R. 3318
Zarmati, S. 1489
Zarnovican, R. 195, 3540, 6117
Zasada, J. C. 6573
Zaugoenova, L. B. 4405
Zavitkovski, J. 443, 908, 5296
Zech, W. 840, 3687, 4979, 5458
Zee, C. J. van 2663
Zelenev, N. N. 3949
Zelikov, V. D. 294
Zenke, B. 6167
Zenker, W. 4010
Zerecero Leal, G. 4656
Zhalina, V. A. 2351
Zhang, H. F. 3695
Zhang, M. J. 5653
Zhang, P. F. 1568
Zhang, X. Y. 1569
Zhang, Y. J. 1755
Zhang, Z. 4793
Zhang, Z. H. 1944
Zharomskiĭ, V. Ya. 839
Zhëgas, A. K. 3996, 6712
Zhelyazkov, P. 2919, 2950
Zheng, D. 1880
Zhou, F. 4793, 5019
Zhou, M. F. 449
Zhu, B. M. 5081
Zhu, C. 1913
Zhu, J. N. 1846
Zhukova, L. A. 4405
Zhurova, P. T. 2448, 5453
Ziegler, H. 263, 1510, 5231
Ziehe, M. 6589
Ziemer, R. R. 655
Zieren, A. 5851
Ziganshin, R. A. 2592
Zimmerman, L. J. 5779
Zimmerman, R. W. 794
Zimmermann, G. 2051
Zimmermann, M. H. 1510
Zimny, J. 5656
Zinke, P. J. 1255
Zinkel, D. F. 2992
Zinkl, J. G. 3700
Zinno, Y. 5620, 6095
Zipse, K. 2358
Zlatanov, S. 5609, 6506
Zobel, B. 6595
Zobel, B. J. 5784
Zobel, D. B. 2988
Zohar, Y. 5916, 6181
Zöhrer, F. 806, 4319
Zolotov, L. V. 339
Zososki, R. J. 3632
Zöttl, H. W. 2154, 2391, 2927, 4918
Zou, H. Y. 1883
Zrazhevskaya, G. K. 6534
Zsuffa, L. 5068
Zubareva, O. N. 6531
Zube, E. H. 2060
Zucker, W. V. 1948
Zukrigl, K. 5002
Zulueta, Y. 3470
Zumr, V. 1444, 1446, 3196, 6719
Zundel, R. 32
Zutter, B. R. 2667, 5403
Zwaan, J. G. de 3459
Zweep, P. van der 4485
Zweig, G. 2039
Zwerger, P. 2452
Zwölfer, H. 1031
Zwoliński, A. 5656
Zyabchenko, S. S. 2245
Zylstra, B. F. 3190

SUBJECT INDEX

Abies
air pollution 2764, 4381
biomass production 763
branches 6016
canopy 3439, 3532
chemical constituents of plants 6027
diseases
cankers 967
seedlings 3079
fire effects 4144
forest management 2764
growth habits 6016
increment 3540
insect pests
Choristoneura 3684, 5145
Lepidoptera 1002
Monochamus 5672
Orgyia 3982
natural regeneration 2764, 3439
nutrient cycles 856
plant water relations 653
seed, storage 4694
snow damage 5962
stand characteristics 3439, 3532
virgin forest 6399
volcanoes 6511
Abies alba
acid rain 4365
afforestation 2606

air pollution 862, 2959, 3697
bark 5580
biomass production 5408
birds 2580
books 3276, 4611
browsing damage 2587
chemical constituents of plants 6029
crown 5580
diameter, measurements 1201

diseases
dieback 2391, 4365, 4979
plant disorders 4470
roots 4470, 5051
distribution 4770, 6562
foliage, analysis 5981
forest management 2281
genetics 2451
grazing 549
hydrology 5749
increment 185
insect pests
Choristoneura 1432
Cinara 2507
Hemiptera 986
Lepidoptera 1031
Xyloterus 2549
measurement of roundwood 1683, 2253
natural regeneration 185
nature conservation 4069
nursery management 6312
nutrient deficiencies 3687, 4979
plant disorders 2393, 4425
plant ecology 2428
plant nutrition 4912
planting 2606
planting stock 4229
protection forest 2605
provenance trials 2451, 3363
salt injury 6491
seed 2136
silviculture 4425
site class assessment 2264
soil toxicity 2927
soils 4354
stand characteristics 185
stem forms 170
thinning 2281
tree breeding 5580
vegetation types 185
vegetative propagation 4703
wildlife, damage by 549
Abies amabilis 800, 945, 1390, 2212, 2987, 2988, 3304, 4692, 4817, 6278, 6476
Abies balsamea
acid rain 4911
air pollution, damage 3698
allelopathy 244
bark 2980, 3736

Abies balsamea *contd.*
biomass production 2837
browse 1055
chemical constituents of plants, inorganic compounds 2913
Christmas trees 1185
clear felling 3423
competition 5409
decay in wood 2938
deer 4546
defoliation 5675
dendrochronology 6117
diseases
decay fungi 5677, 6638
root and butt rots 4468
economics 630
energy relations 2964
fertilizers 3675, 5343, 5344
foliage 762, 3675, 4496
forest litter 1067
forest management 816
forest resources 630
genetics 1367
ground vegetation 3783
increment 3427, 5344, 6117
insect pests
Adelges 3143
Choristoneura 3137, 3139, 3140, 3143, 3144, 3145, 3146, 3151, 3154, 3159, 3190, 3191, 3194, 3540, 3939, 3940, 3951, 3992, 4523, 5651, 5675, 5697, 6117, 6123, 6694, 6717, 6732, 6737
Lambdina 3143, 3157
Lepidoptera 509, 530, 1003, 1010, 1012, 1041
Sirex 5677
nutrient cycles 850
phenology 889
phyllotaxy 5675
plant ecology 1367
plant nutrition 240
plantations in, USSR 50
pruning 1185
roots, damage to 5221
seed, seed sources 3372
silvicultural systems 3427
silviculture 3152
site class assessment 792
site types 4720
soil chemistry 240, 4911
spacing 3490
stand characteristics 5409
throughfall 2594
vegetative propagation 6302
weed control 723, 729, 1174
weight tables 5947
yield forecasting 195
Abies bornmuelleriana 3363
Abies cilicica 3363
Abies concolor 3079
air pollution 247
diseases
cankers 4480
decay in trees 3082
root and butt rots 5053
wetwood 4980
fire danger 1202
fungus diseases, resistance to 1422
heartwood 2374
herbicides 6334
insect pests
Choristoneura 3946, 5642
Cinara 2505
Orgyia 6736
resistance to 1422
mycorrhizas 3876, 4459
parasitic plants 3876
plant physiology 2374
plantations in, USSR 50
silvicultural systems 4768
site preparation 6334
streams, ecology 979
synecology 922
Abies concolor* × *A. grandis 2987
Abies firma 4824, 4825
Abies fraseri 50, 726, 1826, 2553, 2756, 2760, 3380, 5605, 6678
Abies grandis
biomass production 800
chemistry 337

Abies grandis *contd.*
decay fungi 2475
diseases, root and butt rots 3887
drought resistance 2716
foliage 2987
grazing 6760
ground vegetation 6760
insect pests, *Choristoneura* 6690, 6724
nutrient deficiencies 3400
provenance trials 2131, 2716
sapwood 2987
seed 6278
species trials 2212
synecology 1895
underwood 6760
Abies homolepis 1808, 2212, 5869, 5870
Abies koreana 5011
Abies lasiocarpa
fire effects 1873
natural regeneration 2178, 4723
plant water relations 233, 3641
roots, adventitious roots 2988
seed 6278
streams, ecology 979
synecology 1873
weight tables 5947
wood chemistry 5524
Abies magnifica 1202, 1422, 3079, 6663
Abies mariesii 373, 3436, 5361, 5560, 5870
Abies marocana 3329
Abies nephrolepis 2437, 6027
Abies nobilis 5052
Abies nordmanniana 2767, 3363, 3514, 3753, 6376
Abies numidica 3329
Abies pindrow 2277, 2761
Abies pinsapo 2904, 2912
Abies procera 1390, 2212, 2988, 3390, 3515, 4687, 4692, 5332
Abies religiosa 4207, 5025
Abies sachalinensis 506, 1629, 1690, 1702, 1812, 1827, 2164, 2658, 3534, 4314, 4728, 5260, 5542, 5584, 5904, 5927, 5929, 5930, 5931, 5932, 5939, 5977, 6015, 6019, 6020, 6021, 6025, 6093, 6407
Abies sibirica 50, 902, 1406, 1746, 2592, 5099, 6027, 6536
Abies spectabilis 1808
Abies veitchii 2995, 3436, 3772, 3773, 5360, 5361, 5870
Ablerus clisiocampae 1949
Abu Dhabi
afforestation 1539
shelterbelts 1539
vegetation types 2436
Acacia 365, 3230, 3825, 4004, 5201, 5277, 6241
Acacia acuminata 977
Acacia albida 4570
Acacia aneura 3821
Acacia arabica (see *Acacia nilotica indica*)
Acacia auriculiformis 6295
Acacia catechu 1191, 2273, 3371, 3386, 4696, 5093, 5954
Acacia caven 512, 1360
Acacia cyanophylla 1552
Acacia cyclops 2125
Acacia dealbata 958, 5320, 5980, 6437
Acacia decurrens 5628
Acacia erioloba 881
Acacia farnesiana 2778, 4787
Acacia gerrardii 4348
Acacia longifolia 2729
Acacia luederitzii 881, 3035
Acacia mangium 719, 6241, 6276, 6281
Acacia mearnsii 809, 1558, 1940, 3281, 3443, 4887, 5320, 5737, 5980
Acacia melanoxylon 3459, 5381
Acacia mellifera 4348
Acacia modesta 1552
Acacia mollissima (see *Acacia mearnsii*)
Acacia neura 5592
Acacia nigrescens 3443
Acacia nilotica 168, 2706, 2829, 2861, 3715, 3827, 5592, 5954
Acacia nilotica indica 2751, 3173, 3371, 4696
Acacia nilotica telia 3743
Acacia pulchella 3877

Acacia rigidula 6763
Acacia salicina 2125
Acacia senegal 5592
Acacia tortilis 1539, 1986, 2436, 3359, 5592
bibliographies 4131
Acacia tortuosa 6763
Acacia xanthophloea 1986
Acantholepis frauenfeldi 5711
Acantholyda posticalis 6712
Acari 2553, 2554, 2555, 3166, 5130, 5681
Acaricides 3998
Acarina 4416
Acaudaleyrodes rhachipora 3129
Accident prevention 36, 1147
Accidents, Austria 6183
Acclimatization 940, 1815, 1818, 2032, 5817
Accountancy 4160
Acer 723, 1344, 1868, 2594, 3945, 4436, 4694, 4890, 5541, 5603, 5608, 6572
Acer campestre 234, 4049, 6300
Acer grandidentatum 356, 6305
Acer griseum 5875
Acer macrophyllum 3475
Acer mono 5465
Acer negundo 414, 3135, 3867, 3897, 4498, 5169, 6516
Acer nigrum 6300
Acer pensylvanicum 3474, 4735, 5443, 5649
Acer platanoides
air pollution 247, 6492
Arthropoda 2554
chemical constituents of plants 1335
diseases, wilts 3897
flooding 3446
leaves, physiology 1335
ornamentals 1099
roots 898
shade trees 1493
soil biology 6463
transplanting 4087
vegetative propagation, shoot cuttings 6300
Acer pseudoplatanus
afforestation 2606
diseases
bark 1409
cankers 1409, 6659
drainage 2188
drought 1409
foliage, microflora 2952
forest litter 5567, 5568
fungi 5023
grazing 549
light 5439
mixtures 2796
mycorrhizas 6620
natural regeneration 3434
nursery management 5797
plant water relations 2188, 2929
planting 2606
protection forest 2605
roots, chemistry 4925
salt injury 2346
sap 2383
thinning 2789
transpiration 5454
wildlife, damage by 549
Acer rubrum
air pollution 2948, 3699
biomass production 1857, 2837
browse 1968
cleaning 4743
control 724, 729, 3472
diseases, wilts 3897
fertilizers 4707
forest litter 846, 847, 4890, 5444
insect pests, *Lymantria* 5649
mycorrhizas 414, 3867
nutrient deficiencies 3657
provenance trials 3349
pruning 4743, 5378
roots 898
seed, germination 3705
silvicultural conversion 3473
stem forms 4300
synecology 1857, 3027
thinning 5378
tree breeding 5010
vegetative propagation 5876, 6306
volume tables 4300
Acer saccharinum 2333, 2621, 2976, 3419, 3897, 4094, 4099, 4310, 5778, 5875, 6277
Acer saccharum
biomass production 6397
calorific value 376
chemical constituents of plants 2913, 3391, 4970
clear felling 3423
control 2774, 3472
coppicing 679
deer 4546
density of wood 376
dieback 4100
diseases, wilts 3897
fertilizer application 3391
fertilizers 2749, 3389, 4707
foliage, chemistry 6024
forest litter 846, 2933, 5443, 5444
forest management 702
greenhouses 1595
ground vegetation 4445
growing stock 702
growth regulators 5893
insect pests
Lepidoptera 1008
Lymantria 5649
Paraclemensia 3944
mycorrhizas 414, 3867
natural regeneration 1604, 3440
nursery management 1595
nutrient cycles 2933, 6397
nutrient deficiencies 3657
plant morphology 334
planting stock 3419
provenance trials 3356
roots 898, 1608
sap 4970
seed, germination 3705
silviculture 702
site class assessment, by growth 188
stand characteristics 702, 1606
stem forms 4300
street trees 4100
succession 376, 1855
synecology 1855, 1884, 6070
vegetative propagation, shoot cuttings 6298
volume tables 4300
Acer spicatum 1055
Acid rain 1261
5477
Austria 2339
books 5234
Canada 5234
chemistry 5477
Costa Rica 6490
damage 1245, 2330, 2335, 4365, 4927, 4932, 4935, 5441, 5464, 5961, 6037, 6524
effect on ecology 1262, 1263, 1264, 2957, 4911, 5441, 5467, 5745
effect on growth 3705, 4368
effect on water composition and quality 2335, 2337, 5441, 5745
German Federal Republic 4365, 4368, 5984, 6524
methodology 1245
Minnesota 2337, 3610
North America 4376
Norway 1262, 5744, 5745
research 2957, 4373
reviews 1265, 4373, 4932
Scandinavia 2951
Scotland 5757
Switzerland 2335
USA 3706, 5234
Washington 6490
West Coast (USA) 5476
Acidosasa 4793
Acleris radicana 1005
Acleris rhombana 2518
Acleris undulana 6699
Acleris variana 3145
Actinomycetales 425, 426, 427, 428, 429, 431, 433, 435, 444, 4462
Actinomycetes 3075, 3878
Adansonia digitata 5499
Adelges lapponicus 6683
Adelges laricis 2506, 5095
Adelges nordmanniana 986
Adelges piceae 3143, 3145
Adelges viridanus 2506
Adenostoma fasciculatum 1325, 1364, 1876
Adesmia gebleri 3919
Adina cordifolia 1969
Advance growth (*see* Natural regeneration, advance growth)
Advisory services (*see* Extension)
Aedes triseriatus 3975
Aegeritella superficialis 6679
Aegialitis annulata 4440
Aegiceras corniculatum 4440
Aegle marmelos 4950
Aeolesthes holosericea 5116
Aerial photography (*see* Remote sensing)
Aesculus 4694, 5603
Aesculus californica 5257
Aesculus hippocastanum 67, 1335, 3497, 4378, 6300
Aesculus indica 4957
Aextoxicon punctatum 1360, 6069
Afforestation 1471, 1486 (*see also* Plantations; Planting)
agricultural land 845, 1533, 2220, 3246, 3447
alkaline sites 1189
arid regions 1539, 1552, 2125, 2642, 2766, 3362, 4252, 4255, 5829, 5856
catchment areas 594
clay soils 2126
coastal areas 2217, 4045, 4052
Congo 1617
dunes 2118, 4045, 4052, 4569
economics 6244
eroded sites 558, 2103, 2606, 5170, 5446, 5895
history 5762
marginal land 1164
mining wastelands 556, 559, 1072, 2155, 2608, 3245, 3247, 3312, 3559, 3713, 4047, 4048, 4050, 4051, 5301, 5772, 5773, 5774, 5776, 5777, 5778, 5779, 5780, 6478
mountains 3351, 5762
peatland 4053, 6337
polluted sites 1167, 6495, 6793
reclaimed land 5771, 6793
saline sites 3616, 4566, 6271
savannas 2217
sloping sites 2654, 3351, 3517
stony sites 2654
waste land 4049
wetlands 6341
Africa
agroforestry 603, 5200, 6799
deforestation 4137
grazing 4006
minor forest products 3513
nature conservation 3340, 4137
pastures 4006
research 3340
silviculture 1501
soil fertility 4006
tropical crops 1501
vegetation types 4006, 4150
wildlife 4006, 4150
Agaonidae 2396, 2397
Agaricales 942, 5022, 5030
Agathis 4958
Agathis australis 2843, 3750, 4958, 5498, 6411
Agathis calcarata 2558
Agathis cincta 2558
Agathis corbassonii 1654
Agathis dammara 61, 2596
Agathis lanceolata 1654, 3750
Agathis loranthifolia (see *Agathis dammara*)
Agathis montana 1654
Agathis moorei 1654, 3750
Agathis ovata 1654
Agathis pumila 3182
Agathis robusta 3750
Agave lecheguilla 1974
Age of trees 4596
Agriculture/forestry relations (*see* Agroforestry; Economics, vs. agriculture)
Agriopis aurantiaria 5103
Agrisilviculture (*see* Agroforestry)
Agrobacterium tumefaciens 973
Agrocybe parasitica 3081
Agroforestry 657, 2016, 2803, 2854, 5183, 5191, 5192, 5196, 5199, 5201, 5204, 6795, 6797 (*see also* Artificial regeneration; Shifting cultivation; Taungya)
Africa 603, 5200, 6799

Agroforestry *contd.*
arid regions 1123, 2642
Belgium 4061
bibliographies 594, 2053, 4617, 4618, 6217
Bolivia 2103
books 4121
Brazil 1086
China 5186
classification 2014
conferences 603, 1123, 5190
Costa Rica 5181, 5202, 5203, 5207
Czechoslovakia 4053
Developing Countries 4572, 5232
economics 568, 2015, 2712, 5206, 6801, 6802
Ecuador 5179
India 619, 2021, 2610
Indonesia 1084, 2017, 5182, 5198
Kenya 4631, 6294, 6800, 6802
Latin America 2108, 5194
Malawi 6798
Malaysia 1054, 1073, 5190
methodology 5182
Mexico 4575
Niger 4570
Nigeria 3250, 4631, 5189, 5205
Pakistan 3248, 4573
periodicals 1499
Philippines 1480, 5295
Rajasthan 5210
research 3312, 5195
reviews 5195
Senegal 4570
Sierra Leone 4631
simulation 5186, 5205
St. Helena 5785
Thailand 4120
Tropical Asia 619
Tropics 4062, 4163, 5180, 5193, 5208, 5209, 5781, 5782, 5784, 5789, 6188, 6796
Ukrainian SSR 2180
United Kingdom 1088
Vietnam 6184
Zaire 4631
Zimbabwe 4631
Ailanthus altissima 1595, 2346, 4593
Ailanthus excelsa 4500, 4515
Ailanthus malabarica 4500
Air layering (*see* Vegetative propagation, air layering)
Air pollution 268, 275, 276, 277, 283, 1261, 3688
bibliographies 4133, 5239
computer techniques 1235
conferences 248, 1122, 1128, 3274
control 2949, 6499
damage 248, 249, 254, 263, 265, 285, 289, 291, 943, 1228, 1230, 1232, 1236, 1255, 3274, 4366, 4935, 4938, 4939, 5441, 5465, 5466, 5478, 5848, 5961, 6489
Abies 862, 2335, 2764, 3687, 3697, 3698, 5984
Acer 3699, 6492
Alnus 272, 3685, 3698
Betula 261, 1239, 3685, 3698
Carpinus 6492
Cryptomeria 5468
Diospyros 288
Fagus 862, 1323, 4936, 5984
Larix 261, 272
methodology 2343
Picea 259, 260, 261, 266, 267, 272, 280, 281, 861, 862, 1272, 1273, 1382, 2338, 2343, 3689, 3698, 4931, 4933, 5463, 5984, 5987, 6492
Pinus 251, 259, 261, 272, 284, 292, 860, 862, 867, 1238, 1252, 2342, 2343, 2344, 2955, 2960, 3593, 3693, 3694, 3701, 4370, 4931, 5475, 5482, 5984
Populus 297, 2954, 3708
Pseudotsuga 1231
Quercus 3685, 6492
Sorbus 3698
detection 249, 250, 255, 256, 265, 269, 271, 291, 863, 1233, 1234, 1235, 1242, 1246, 1250, 1259, 2334, 3690, 3691, 3692, 3697, 3708, 3710, 4370, 4918, 4931, 5481, 6134, 6494, 6503

Air pollution *contd.*
dust 251, 272, 287, 1249, 1275, 1278, 2340, 2952, 3370, 3706, 3708, 4370, 5331, 5471, 5472, 5473, 5474, 5984, 6497, 6501
economics 3703, 5988
effect on diseases 957, 1257, 1258, 2476, 3697, 4466, 5056, 5480, 6496, 6629
effect on ecology 258, 273, 274, 290, 866, 1128, 1227, 1237, 1241, 1244, 1246, 1247, 1251, 1254, 1258, 1267, 1268, 1269, 1280, 1382, 2347, 2949, 3703, 4920, 4923, 5023, 5481
effect on growth 252, 256, 1243, 2341, 3693, 3701, 4370, 4881, 4924, 5474, 5482, 5961, 5988, 6035, 6495
effect on pests 1260, 4920, 6496
effect on wood 4381, 6494
forest fires 1249, 2970
fumes 255, 257, 1276, 1280, 3694, 4934, 5984
Cd 285, 286
F 267, 270, 279, 288, 1253, 2342, 2959, 3698, 3701, 3702, 4937, 5465, 5470, 6495
HCl 6492
HF 280, 301, 1278
H_2S 5461
NH_3 253
NH_4Cl 6492
NO 1229, 5984, 6494
NO_2 247, 1229, 2345, 2958, 3682, 3691, 3692, 5465, 5482, 5984, 6494
NO_3 259
O_3 247, 252, 292, 296, 297, 867, 943, 1251, 1267, 1277, 2333, 2476, 2948, 2955, 2958, 3682, 3699, 5482, 5984, 5986, 6494
S 1240
SiF_4 1278
SO 5961
SO_2 247, 252, 259, 260, 261, 262, 264, 267, 285, 290, 293, 861, 943, 1228, 1231, 1235, 1252, 1269, 1272, 1273, 1339, 1765, 1767, 2338, 2343, 2345, 2392, 2954, 2960, 3395, 3682, 3685, 3689, 3699, 3703, 3842, 4370, 4381, 4931, 4933, 4935, 4936, 4938, 4940, 5441, 5460, 5461, 5463, 5465, 5466, 5469, 5478, 5479, 5480, 5482, 5536, 5538, 5984, 5988, 6035, 6489, 6494, 6495, 6498, 6502
SO_3 3690, 3691, 3692
$ZnCl_2$ 6492

history 1248
methodology 257, 264, 1276, 1765, 2334, 2344, 3709, 4934, 4937, 4939, 5469
prevention 289, 2105, 2948
radioactive matter (*see* Ionizing radiation, damage)
resistance to 251, 262, 272, 278, 293, 296, 1256, 1272, 1277, 1339, 1765, 1767, 2948, 2959, 3395, 3682, 3693, 3842, 4369, 4371, 4399, 4922, 4923, 4931, 4937, 5463, 5469, 5470, 5482, 5575, 6444, 6502
reviews 1253, 1254, 1255, 1278, 2953, 3703, 5478
role of forests 2008, 2340, 2952, 2953, 4133, 4369, 4939, 5986
salt spray 4346, 4356, 4921, 5822
simulation 1247, 1266, 1267, 1269, 1270, 4934
statistical methods 1243
Aircraft 2361
forestry operations 604, 1047, 1048, 2357, 3722
Alabama
diseases, rust diseases 3092
Eriocampa juglandis 1026
forestry 4107
Liriodendron tulipifera 784
Malacosoma disstria 2514
mining wastelands 5773
periodicals 4107
volume tables 784
weed control 2781, 2782, 4741
Alangium 2684
Alangium oregonensis 1796
Alangium sinicum 2684
Alaska
Arceuthobium tsugense 3112

Alaska *contd.*
conferences 4140
dieback 4140
erosion 4042
ethnobotany 4786
insect pests 4140
mycorrhizas 3073
nitrogen cycle 4907
nutrient cycles 4361
reindeer 1891
remote sensing 1718
shrubs 4361
Tsuga heterophylla 3112
vegetation types 1891, 2663, 4361
Alberta
air pollution 1252
controlled burning 2971
deer 5733
Dendroctonus ponderosae 3163
diseases of trees 3922
forest fires 1298, 1300
grazing 2971
history 1298, 1300
insect pests 3922
land use 1483
Malacosoma disstria 3957
Pinus contorta 841
roads 6784
seed, storage 4691
spacing 3493
streams 6784
thinning 125, 4266
wind 3608
Albizia chinensis 4419
Albizia falcataria 719, 1698, 3184, 5149, 6280, 6281
Albizia lebbek 2751, 3066, 3371, 3376, 4256, 4419, 4696
Albizia procera 2902, 3715
Alces alces 76, 1055, 1060, 1467, 1992, 1993, 2427, 3229, 4012
Alchornea cordifolia 3250
Alchornea sidifolia 2329
Algae 1913
Algeria
synecology 6569
vegetation types 6569
Allelopathy 244, 375, 3023, 3069, 5553
Allomorphia malaccensis 6530
Alnus 378, 430, 854, 1162, 4137, 6480, 6495, 6557, 6640
Alnus cordata 5010
Alnus crispa 3303, 3698, 6616
Alnus firma 5746, 5884
Alnus glutinosa 4908
afforestation 5301
air pollution 3685
amelioration of forest sites 4220
assortments and assortment tables 6393
biomass production 4310, 6257
birds 2588
competition 4986
diseases, cankers 6664
distribution 1870
drainage 2188, 6339
dust 272
effect on soils 845
enzymes 2387, 3766
fertilizers 5777
fuel plantations 6257
grazing 4986
increment 6339
insect pests
Aphidoidea 3936
Xyloterus 2549
leaves 3685
mixtures 2210
plant water relations 2188
plantations on
fields 845
mining wastelands 556, 3245, 5777
reclaimed land 444
planting stock 2165
provenance trials 5301
root and butt rots 1393
roots, root nodules 425, 427, 429, 432, 433, 434, 444, 2387, 3388, 3766
sap 2383
soil chemistry 3626
soil toxicity 5473
synecology 4986
tree breeding 5010, 5297
vegetation types 5791

Alnus glutinosa *contd.*
vegetative propagation 2734, 3388
wood anatomy 6525
Alnus glutinosa* × *A. incana 2734
Alnus hirsuta 558, 5884
Alnus hirsuta sibirica 4310, 4729
Alnus incana 1975, 2345, 2606, 2734, 4050, 4310, 6364, 6445, 6446
Alnus inokumae 4310, 5880
Alnus japonica 77
Alnus nepalensis 3727, 3728
Alnus pendula 6086
Alnus pendula* × *A. sieboldiana 6086
Alnus rubra 239, 428, 443, 855, 1067, 1385, 3562, 3642, 3704, 3713, 3770, 4047, 4695, 6346, 6364, 6619
Alnus rugosa 849, 3695, 6616
Alnus sieboldiana 6086
Alnus sinuata 447, 4047
Alouatta palliata 6766
Aloysia lycioides 2778
Alpova diplophloeus 6616
Alternaria 6675
Alternaria alternata 1922, 4466
Alternaria tenuissima 1922
Altica brevicollis 5670
Altingia excelsa 6389
Altitude 223, 4957, 6061
effect on growth 170, 351, 382, 383, 913, 2258, 2452, 3734, 4871, 4873, 4874, 5579, 5584
effect on microclimate 4870, 6501, 6696
effect on physical properties of wood 841
Amanita 942, 6615
Amanita muscaria 413, 3874
Amazona farinosa 6767
Amblypelta cocophaga cocophaga 2500
Ambrosia beetles (*see* Wood borers)
Amelanchier 5649
Amelioration of forest sites 437, 439, 1162, 1189, 4220, 5903, 6341
Amenity and recreation areas 1093, 1490, 3260, 3264, 4102, 4579, 4580, 4583, 4587, 4845, 5216, 5217, 5738, 5793, 6807
Amenity forests 576, 577, 582, 817, 834, 4148, 5224, 5850, 6794
Amenity value of forests 33, 2060, 2632, 3261, 4588, 5788, 6808 (*see also* Forest recreation)
Amitermes 2503
Amoora beddomei 1845
Amorpha fruticosa 4310
Amphibia 544, 1361, 2579, 6194
Amphiporthe leiphaemia 6629
Amyema preissii 977
Amylostereum chailletii 5677
Anabaena cycadaea 1913, 4457
Anacamptodes pergracilis 5639
Anacardium excelsum 2116, 2117, 2163
Anacardium occidentale 2021, 5499
Anastatus bifasciatus 5715
Ancylis achatana 2518
Andaman and Nicobar Islands
canes and rattans 2816
Isoptera 2502
mangroves 5116
Saurauia bracteosa 1851
wood borers 5116
Andhra Pradesh
ants 3180
medicinal plants 132
shelterbelts 3243
Andricus quercuscalicis 3116, 5676
Angle count 777, 1712, 2242, 2284, 2286, 2290, 2295, 2870, 3583, 6426, 6430
Angling (*see* Fishing)
Anisochrysa flavifrons 6718
Anisochrysa prasina 6718
Anisochrysa zelleri 6718
Anisoptera scaphula 4701
Anisota senatoria 2526
Annual rings (*see* Growth rings)
Anogeissus angustifolia 2909
Anogeissus latifolia 100, 2860, 2966, 3345
Anogeissus pendula 2860, 4812, 5954
Anthocephalus chinensis 3020, 4779
Anthostomella rehmii 6670
Anthrenus verbasci 4521
Antitranspirants 3762
Antrophora 1795
Ants 1028, 1449, 1962, 2505, 2621, 3180, 5126, 5501, 5628, 5637, 5711, 6107, 6137, 6146, 6679, 6734, 6736, 6766
Apanteles 2558
Apanteles liparidis 506, 6730
Apanteles melanoscelus 498, 988, 1004, 2557, 3989, 6730
Apanteles murinanae 1031
Apanteles ordinarius 506
Apatele rumicis 504
Apeiba aspera 2116, 2117, 2163
Apeiba tibourbou 2116
Aphaenogaster splendida 5711
Aphidecta obliterata 6722
Aphididae 6106, 6107
Aphis fabae 3030
Aphis maculatae 5296
Aphis pomi 2508
Aphycoides clavellatus 5096
Aphytis proclia 6681
Apiculture (*see also* Honeybees)
Apiognomonia errabunda 6671
Apodemus argenteus 2581
Apodemus speciosus 2581
Apodemus sylvaticus 2515
Aquaculture
bibliographies 2650
fish culture 1470
Aquila chrysaetos 6771
Aradus cinnamomeus 3123, 5110, 6685
Araucaria 1391, 4629
Araucaria angustifolia 1391, 2146, 5450, 5915, 6046
Araucaria bidwillii 1941, 3753
Araucaria columnaris 6046
Araucaria cunninghamii 1391, 1941, 2116, 4353, 4761, 6281
Araucaria excelsa (see *Araucaria heterophylla*)
Araucaria heterophylla 1391, 1392, 5369
Araucaria hunsteinii 225, 1941, 6281
Araucaria klinkii (see *Araucaria hunsteinii*)
Araucaria luxurians 6046
Araucaria montana 6046
Araucaria nemorosa 6046
Araucaria rulei 6046
Araucaria scopulorum 6046
Arboreta 2027, 2894, 4197, 4592, 5223, 5268, 5338, 6200
bibliographies 3374
Arboricides 6342 (*see also* Herbicides; Weed control, weed trees and shrubs)
Arboriculture 4091, 4590, 4592
books 2036, 2643, 5816
Arbutus andrachne 1332
Arbutus menziesii 1622, 4460, 6621
Arbutus unedo 1217, 1332
Arceuthobium 485, 6096
Arceuthobium abietinum 6663
Arceuthobium americanum 5067, 5086
Arceuthobium minutissimum 4492
Arceuthobium occidentale 5085
Arceuthobium pusillum 487, 1936
Arceuthobium tsugense 486, 1935, 3112, 5626
Arceuthobium vaginatum cryptopodum 5085
Archips crataeganus 5655
Archips oporanus 5145
Archips packardianus 4520
Archips rosanus 5655
Archips xylosteanus 5655
Archontophoenix 3802
Arctornis alba 5640
Arctornis l-nigrum 5640
Arctostaphylos 922, 2771
Arctostaphylos densiflora 1339
Arctostaphylos manzanita 4460
Arctostaphylos uva-ursi 6621
Arge enodis 2551
Argentina
air pollution 3702
biomass production 3549
forestry 5852
Ganoderma lucidum 5045
Melia azedarach gigantea 2423
nitrogen cycle 3549
shade trees 5871
vegetation types 3549, 3702, 3823
wildlife 3823
Argusia argentea 227
Argyresthia aureoargentella 6111
Argyresthia canadensis 6111
Argyresthia curvella 2518
Argyresthia thuiella 3987, 3999, 6111
Arhopalus rusticus obsoletus 1453
Arid regions 1123, 4111, 4676, 4677, 5592
afforestation 4252
Africa 5723
Arizona 4567
books 2639, 2642
California 4567
East Africa 2639
Egypt 2639
Gujarat 4252
India 2639
Iran 2639
Israel 2125, 3362
Kenya 4252
Mexico 4255, 4567, 4574
Pakistan 2639
Rajasthan 2911, 5210
Sudan 4613, 4685
Tropics 4640
USA 5723
Utah 3209
Aristolochia arborea 6047
Aristolochia bullata 6047
Aristolochia steyermarkii 6047
Arizona
arid regions 4567
birds 4612
books 4612
browse 3219
Cercidium floridum 5724
Choristoneura occidentalis 3992
Coloradia pandora 1429
deer 1466
fire effects 885
flora 1354
forest fires 5495
grazing 3216, 3219
insect pests 5630
land reclamation 4055, 4567
Malacosoma californicum 1007
mining wastelands 4055
natural regeneration 6317
nature conservation 4612
Prosopis 5724
squirrels 4007
vegetation types 1354
Arkansas
Dendroctonus frontalis 5695
Dioryctria 2519
drought injury 2897
fertilizers 2792
fuel plantations 3346
heat injury 2897
herbicides 6493
Pinus taeda 5316
Platanus occidentalis 3346
Rhyacionia frustrana 1039
thinning 2792
water composition and quality 6493
weed control 3478
yield forecasting 3573
Armenian SSR
Ceratocystis fimbriata 1400
Fagus orientalis 913
Juniperus 3413
Armillaria 958, 6631
Armillaria hinnulea 5064
Armillaria luteobubalina 5064, 6437
Armillaria mellea
damage by 1921, 4248, 4468, 6645
distribution 3887
forecasting 3887
resistance to 4468
reviews 3890
Aromia moschata 5664
Artemisia 536
Artemisia arbuscula 3029
Artemisia arbuscula nova 3209
Artemisia californica 1296
Artemisia cana viscidula 1975
Artemisia frigida 2377, 5429
Artemisia herba-alba 2639
Artemisia nova 537
Artemisia subdigitata 1798
Artemisia tridentata 535, 537, 541, 800, 1549, 1723, 1841, 3209, 3213, 3220, 4532, 5455, 5741, 6753, 6756
Artemisia tridentata nova 5455
Artemisia tridentata vaseyana 2356, 6757
Artemisia tridentata wyomingensis 2356, 3029
Artemisia tripartita 5416
Arthropoda 1939, 2478, 2496
Artificial regeneration 6605

Artificial regeneration *contd.*
assessment 3426
Chamaecyparis obtusa 4727
Cryptomeria japonica 4767
Dipterocarpus 4279
economics 5363
Fagus sylvatica 1319, 3449
Juniperus excelsa 2766
mechanization 5363
relation to site factors 96, 4768
vs. natural regeneration 155, 2672, 3246, 4279
Artiodactyla 4006
Artocarpus altilis 5499
Artocarpus heterophyllus 5499
Artocarpus lakoocha 4419
Artocarpus nobilis 5556
Arunachal Pradesh
bamboos 3016
flora 3021
nature conservation 3021
Arundinaria 4793
Arundinaria tessellata 2403
Ascarina 914
Ascocoryne sarcoides 2473
Asia
Diospyros 363
Dipterocarpaceae 1509
energy resources 4189
Leguminosae 6004
Aspect 4347, 5749, 6451
effect on growth 2208, 3561, 5387
Aspergillus flavus 4464
Aspergillus luchuensis 4464
Asphondylia phyllanthi 3976
Aspidosperma megalocarpon 6455
Aspidosperma pyrifolium 900
Assam
Isoptera 5390
shade trees 5390
Assimilation, books 1510
Assortments and assortment tables 169, 744, 2204, 2247, 2674, 2858, 3539, 3545, 4806, 5391, 5392, 6393, 6394, 6440
Astrocaryum mexicanum 4427, 4428
Atrachea vulgaris 4793
Atriplex 1539, 2576
Atriplex canescens 1549, 2377, 3215, 3219, 4287, 6757, 6764
Atriplex confertifolia 3209, 5455
Atriplex cuneata 2011
Atriplex gardneri 2011, 3209, 5455
Atriplex lentiformis 1549
Atriplex semibaccata 3219
Atriplex vesicaria 1717
Atta cephalotes 5126
Atta colombica 6766
Atta sexdens 3971
Atta texana 1449
Attelabidae 5661
Atteva fabriciella 4515
Attractants (*see* Insect pests, attractants)
Aureobasidium pullulans 1922
Australia
air pollution 5461
amenity forests 817
Araucaria 1941
arboriculture 5816
biomass production 2946, 5828
choice of species 5816
climatology 3821
conferences 4147
Coptotermes frenchi 3120
Eucalyptus 4147
Eucalyptus beyeri 2414
Eucalyptus caesia 4630
Eucalyptus camaldulensis 381
Eucalyptus cyanophylla 2410
Eucalyptus dendromorpha 2415
Eucalyptus fraseri 2418
Eucalyptus gillenii 2419
Eucalyptus mannensis 2404
Eucalyptus oxymitra 2405
Eucalyptus pachyphylla 2406
Eucalyptus pimpiniana 2416
Eucalyptus sessilis 2407
Eucalyptus trivalvis 2408
Eucalyptus yalatensis 2417
fertilizers 4183, 4710
fire effects 3723
fishing 3033
flora 1361
forest policy 1528
Australia *contd.*
forestry 31, 633, 817, 4669
fuels 4189
fungus diseases 470, 471
insect pests 1941, 5631
international cooperation 6242
labour 4669
land use 2946
Leguminosae 6004
mangrove forests 3033
mapping 5424
Melampsora larici-populina 3101
Monocotyledones 4147
Nasutitermes australis 3120
national parks 4264
nature conservation 817, 4630
Novacastria nothofagi 6703
nutrient cycles 2945, 2946, 4914
nutrient deficiencies 5461
operations research 4835
ornamentals 5816
Phytophthora cinnamomi 6637
pigs 3223
Pinus radiata 4271, 4710
plant disorders 5540
plant nutrition, research 4183
plantations 4753
provenance trials 4198
research 4630, 6248
roots 6248
snow damage 6449, 6450
soil fertility 4183
soil types 4183, 4880
soil water 4880
thinning 4634, 4710, 4753, 4754, 4755, 4764
vegetation types 588, 1806, 3723, 3821
weed control 4264
wildlife 1361, 4630
wind damage 4868
Australian Capital Territory, *Acacia decurrens* 5628
Austria
accidents 6183
acid rain 2339, 5985
Adelges nordmanniana 986
air pollution 1275, 2105, 6489, 6501
assortments and assortment tables 3539
bark beetles 1020
deer 4008
forest inventories 2286, 2288
forest management 5839
forest ownership 3332
forest policy 2076, 5838, 5839
forest recreation 2619
forest resources 2092
forest statistics 2086, 2088
forestry 5839
history 5839
legislation 268, 2105, 3332
mountain forests 6168
nature conservation 4066
parasites of insect pests 3993
plant geography 3801
Plemeliella abietina 1033
protection forest 2605, 4027
provenance trials 2452, 3363
public relations 2076
Resseliella skuhravyorum 1033
stem forms 2254
theses 616, 5847
thinning 2205
treelines and timberlines 6623
vegetation types, riparian forests 2130
wildlife 2582, 4009
Austrocedrus (see *Libocedrus*)
Autecology 4115, 4116, 4433, 4998
Autographa californica 3189
Auxemma 6007
Auxiliary species (*see* Nurse and auxiliary species)
Auxins (*see* Growth regulators, auxins)
Avalanches 655, 1476, 4027, 6167
Averrhoa carambola 5499
Avicennia alba 4441
Avicennia marina 452, 2436, 3024, 3742, 4435, 4440, 4442
Azadirachta indica 344, 1331, 3180, 3192, 3518, 6011, 6017
Azerbaijan SSR
Altica brevicollis 5670
exotics 2119
forest recreation 6198
Azerbaijan SSR *contd.*
Lymantria dispar 3938
Nitraria 2394
Baccharis salicina 5728, 5729
Bacillus subtilis 1403
Bacillus thuringiensis 6726, 6737, 6748
Bacteria 1399, 2473, 3107, 3906, 4519, 4915, 5024, 5221 (*see also* Soil biology, bacteria)
Bacteria in wood 2939
Bacterial diseases
insects 2514, 5137, 6726
methodology 5080
trees 473, 474, 973, 1921, 3105, 3106, 3108, 4452, 4484, 4485, 4980, 5079, 5080
Baculovirus 3189
Bagassa guianensis 5358
Balanops 5516
Balloons 1282, 2878
Bamboos 3016
anatomy 1786, 4793
bibliographies 4616
biology 1840, 2815, 4793, 4816, 6602
chemistry 3564, 4793, 5519, 5520
diseases 4793
distribution 6045
ecology 367, 533, 4793, 5389
economics 4295
mensuration 785, 3564, 4308, 4792, 4816, 5389
morphology 1788, 6045
pests 3128, 4793
propagation 4295, 4796, 5389
research 4793
reviews 2235, 5389
silviculture 2814, 2815, 4295, 4792, 4796, 5389
Bambusa 4796
Bambusa arundinacea 2815, 4419, 5389
Bambusa blumeana 5389
Bambusa vulgaris 5389
Bambuseae 367
Bangladesh
economics 4667
forest policy 5232
fuels 5232
research 4667
Bankia australis 4435
Banksia 2499
Barbeya 5516
Barbitistes fischeri 6718
Bark
anatomy 331, 1318, 1329, 1782, 1791, 1792, 2370, 2980, 3731, 3734, 3736, 3743, 4958, 5580, 6017
chemistry 15, 1149, 1791, 1804, 3341, 3731, 4414, 4415, 5157, 5526, 5527, 5529, 5545, 6646
damage 4377, 5157, 6232
diagnostic value 1329, 2370, 3735, 5613
diseases 969, 1409, 2471, 3598, 5073, 5079, 6641
measurements 148, 154, 163, 3734, 4302
microflora 1912
pests 1946, 2510, 2523
physiology 1340, 1813, 1814, 2996, 6034
products 84, 1792, 2710
uses 84
variations 5580
Bark beetles
attractants 532, 1019, 1443, 2568, 2572, 3192, 5106, 5121, 6741
brevicomin 3168, 3197
cubebene 2566, 3170, 3175, 3197
frontalin 2535, 2537, 3168
ipsdienol 2543, 2570, 2571, 2573, 3165, 3167, 3965
ipsenol 2543, 3165, 3965
limonene 3175
methyl-butenol 3196
methyl-heptanol 3175, 3197
methyl-heptanone 2566, 3170
multistriatin 2574, 3175, 3197
pinene 3167
typolure 2573, 2575
verbenol 1446, 2543, 2570, 2571, 2573, 2575, 3165, 3168, 3196, 3965, 5663
bacteria with 519
biology 515, 959, 1018, 1436, 1437, 1447, 1448, 2535, 2542, 3165, 3169, 3963, 4503, 6135, 6700, 6702
books 4109

Bark beetles *contd.*
control 529, 532, 1440, 1448, 2570, 3195, 3207, 4140, 4528, 5121, 5691, 6144, 6145, 6748
damage by 1445, 3163, 3169, 4502
detection 4846
disease vectors 337, 959, 1021, 1440, 2482, 2566, 3166, 3895, 3966, 6636, 6646, 6652
distribution 3963, 3966, 5659, 5661, 6127, 6132
ecology 959, 6132
effect on growth 6447
forecasting 1444
fungi with 337, 1021
host relations 1019, 1436, 1443, 2543, 4947, 5113, 5673
identification 5659, 6127
introduced species 4502
laboratory rearing 1439
methodology 1019, 2572, 5106, 6702, 6707
parasites 514, 515, 1013, 3266, 3986
physiology 2543
population dynamics 963, 1014, 3162, 3163, 3167, 5087, 5673, 6128, 6144, 6145, 6447
predators 3196, 3267, 4502, 6741
prevention 518, 528, 1437, 3188, 4140
repellents 2543, 2566, 3192
resistance to 1017, 1021, 4502, 5106, 5117, 6128, 6145, 6643, 6700
reviews 513
simulation 5673
spread 2535, 5631
statistical methods 3162
taxonomy 2540, 6132
trapping 1020, 1446, 2568, 2570, 2571, 2572, 2573, 2574, 2575, 3165, 3196, 3990, 5691, 6719, 6741
visual stimuli 5108
Barleria strigosa 2421
Barleria terminalis 2421
Barringtonia racemosa 3024
Basal area
measurements 2875, 3523 (*see also* Angle count)
methodology 1710
statistical methods 3523, 4800
Basidiomycetes 3891, 6675
conferences 2662
Bauhinia longifolia 6185
Bauhinia monandra 3746
Bauhinia tomentosa 3746
Bauhinia ungulata 2398
Bauhinia variegata 4419, 6017
Bears 4534, 5157
Beating up 5299
Beauveria bassiana 2514, 3195, 3208, 5653, 5717
Bees (*see* Honeybees)
Beilschmiedia tawa 3081, 5497
Belgium
agroforestry 4061
biomass production 4276
Ceratocystis ulmi 5061, 5062, 5063
forest management 5270
forestry 3320, 5271
fungus diseases 6671
indicator plants 3633, 3635
landscape 4589
natural regeneration 3434
nutrient cycles 4277
Phyllodecta vitellina 1442
Picea abies 2213
Pinus nigra 3500
Populus 176, 5614
Populus 'Robusta' 4276, 4277
protection of forests 4535
site class assessment 3634
site types 5271
soil types 4892, 6487
succession 6568
synecology 3633, 3812, 3814
thinning 2207, 3492
vegetation types 1878, 3805, 3806, 3807, 3809, 3812, 3814, 6568
wildlife, damage by 4016
Belize
fertilizers 4273
nitrogen cycle 3665
nutrient cycles 6483
Pinus caribaea 4273
Belize *contd.*
soil fertility 3672
vegetation types 3665, 4885
Belliolum 2991
Beltraniella nilgrica 5043
Benin, community forestry 4065
Berberis 5760
Berlin, *Argyresthia thuiella* 3987
Bermuda, vegetation types 6570
Berries (*see* Fruit)
Bertholletia excelsa 5499
Betula
air pollution, damage 1239
birds 2588
books 4599
control 723, 4733, 6350
diseases 4599
drought resistance 4050
fertilizers 1585, 6309
forest litter 854, 6460, 6461
hybridization 3864
insect pests 4599
Aegeriidae 3268
Lepidoptera 3136
Paranthrene 5137
mining wastelands 4436
nursery management 2161
palaeobotany 1348
palaeoecology 378, 6558
plant disorders 5541
plant tumours 4491
plantations on, eroded sites 5895
planting stock 2161
pollen 6057, 6557, 6558
seed 5555
storage 4694
treatments 676
silviculture 4599
stem forms 6381
succession 1344
synecology 1355, 1356
vegetation types 2437, 3807
volume determination 6381
Betula aetnensis 6104
Betula alba (see also *Betula pendula*; see also *Betula pubescens*)
control 5372
density of wood 1768, 3858
drainage 2188
fodder 3752
foliage 3752, 5425
forest litter 1745, 1746
genetics, variations 3858
ground vegetation 927
insect pests, *Oncopsis* 6104
light, canopy effects 6446
measurement of roundwood 146
nitrogen cycle 5983
nurse and auxiliary species 2176, 4746, 6320
plant physiology 226
plant water relations 2188
respiration 909
roots 909, 2176, 2378, 6535
site class assessment 3565
soil biology, bacteria 6462
statistical methods 146
thinning 1635
transpiration 226
weed control, weed trees and shrubs 111, 113
weight tables 1768
wood chemistry 3858
Betula alleghaniensis
biomass production 6397
clear felling 3423
control 3472
epicormics 2976
fertilizers 2749, 4707
flowering 3365
forest litter 5443
greenhouses 1595
hybrids 2128
insect pests, *Lymantria* 5649
nursery management 1595
nutrient cycles 6397
nutrient deficiencies 4905
plantations in, Maine 666
seed 3365
germination 3705
stem forms 4300
synecology 3027
tree breeding 3365
Betula alleghaniensis *contd.*
volume tables 4300
Betula alleghaniensis* × *B. papyrifera 2128
Betula carnoensis 1796
Betula ermanii 373, 666, 3789
Betula glandulosa 1975
Betula grossa 173, 373
Betula lenta 2263, 3027, 4300
Betula lutea (see *Betula alleghaniensis*)
Betula mandshurica 15, 5880
Betula maximowicziana 666
Betula nana 3136, 4361, 6008
Betula nigra 3865, 4908, 5778
Betula papyrifera
air pollution 3698, 4940
biomass production 791
browse 1968
calorific value 376
control 3472
density of wood, relation to stand characteristics 376
diseases
cankers 2479
decay fungi 2479
forest litter 846, 855, 1067
forest management 816
greenhouses 1595
insect pests
Hyalophora 2527
Lymantria 5649
nitrogen cycle 4907
nursery management 1595
nutrient cycles 850
nutrient deficiencies 3657
plant nutrition 240
plantations in, Maine 666
soil chemistry 240
succession 376
synecology 3027
throughfall 2594
transpiration 4940
vegetation types 791
weight tables 5947
Betula pendula (see also *Betula alba*)
air pollution 247, 2345, 3685
Arthropoda 2496
bark 1791, 4414, 4415
browsing damage 4547
buds 4401, 4402
chemotaxonomy 939
computer techniques 4402
control 119
crown 4401, 4402
cytology 939
direct sowing 1611
diseases
cankers 6656
seed 1922
fire effects 6215
frost injury 6445
fuel plantations 6445
genetics, variations 6599
growth habits 4401, 4402
growth regulators 5893
insect pests
Lepidoptera 3136
Pamphilius 3269
Phyllobius 2544
leaves 1816, 3685, 4955
light relations 1815
mixtures 1641
mycorrhizas 423, 3874
natural regeneration 1584
nursery management 6656
nutrient deficiencies 3400
photoperiodism 6537
photosynthesis 1815, 1816
plant ecology 2428
plantations in
Kirgiz SSR 3351
Maine 666
plantations on
mountains 3351
sloping sites 3351
remote sensing 1724
root and butt rots 1393
salt tolerance 4356
sap 2383
seedlings 1815, 1816, 6537
silviculture 5845
simulation 4402
site preparation 1619

Betula pendula *contd.*
soil fertility 2928
stand characteristics 5845
succession 2928, 5764
thermal relations of plants 6537
throughfall 2965
tree breeding 2456, 2457
vegetative propagation 2734
wood anatomy 6008
***Betula pendula carelica*,** bibliographies 1116
Betula platyphylla 666
Betula populifolia 666, 729, 5650, 6057
Betula pubescens (see also *Betula alba*)
air pollution 2345
bark 1791
biomass production 5938, 6400
chemotaxonomy 939
control 119
cytology 939
diseases
decay fungi 5049
seed 1922
fertilizers 74, 1655
ground vegetation 3671
insect pests
Aphidoidea 3936
Epirrita 4497
Lepidoptera 3136
Pamphilius 3269
mixtures 1641, 1642
mosses 3671
mycorrhizas 423, 3874
natural regeneration 1584, 1600
nutrient cycles 5938
plantations in, Maine 666
soil fertility 2928
succession 2928
synecology 3820
thinning 1655
vegetation types 74
vegetative propagation 2734
wood anatomy 6008
Betula pubescens tortuosa 5678
Betula pumila 6057
Betula* × *raymundii 6057
Betula tortuosa 3136, 5105, 6008
Betula verrucosa (see *Betula pendula*)
Beuveria bassiana 6748
Bibliographies 2
Acacia tortilis 4131
agroforestry 594, 2053, 4617, 4618, 6217
air pollution 4133, 5239
aquaculture 2650
arboreta 3374
bamboos 4616
Betula pendula carelica 1116
biomass production 5823
botanical gardens 3374
catchment areas 594
Cupressocyparis leylandii 4136
diseases of trees 592
energy resources 11, 4130
entomology 2648, 2649
erosion 594
fire control 3721
fire effects 594
fish 2650
forest administration 5242
forest fires 1114
forest policy 5242
forest recreation 5241
forestry 1115, 1514, 1515, 3285, 5240, 6216
fuel plantations 11
history 1114, 1515
Indonesia 1515, 5819
insect pests 592
labour 1117
land reclamation 595
land use 594, 3284, 3285
legislation 5242
Liriodendron tulipifera 4135
mangroves 4615
nature conservation 5240
nutrient cycles 5823
peatland 595
Philippines 5821
Picea mariana 3499
Pinus caribaea 5243
Pinus oocarpa 9
planning 5242
planting stock 3374
Bibliographies *contd.*
precipitation 10
Prunus avium 4134
research 2054
salt injury 5822
salt tolerance 5822
seed 3374
site class assessment 6218
soil conservation 595
Switzerland 4614
Tanzania 5238
taxation 8
Thailand 5820
tropical forests 3286
tropical timbers 3286
urban and suburban forestry 593
USA 2054
vegetative propagation, tissue culture 2055
Venezuela 6216
wildlife 4132
wood borers 511
Bihar, lac 2236
Biochemistry 6088
Biogeochemical prospecting 2913
Biographies
Duhamel du Monceau, H.L. 2074
Pfeil, W. 5268
Wilckens, H.D. 2075
Biological control (*see also* Bacterial diseases; Parasites of insect pests; Predators of insect pests; Virus diseases of insects)
books 2046
fungus diseases 478, 483, 968, 1399, 1403, 1404, 1934, 2472, 3101, 3109, 4488, 5615, 5623, 5625, 6630, 6674, 6676, 6677
insect pests 1940, 5235, 5690, 6147
by *Apanteles* 498, 1004
by *Bacillus* 6748
by *Beauveria* 3208, 5717, 6748
by birds 3222
by *Brachymeria* 991
by *Calosoma* 4516
by Chrysopidae 6734
by *Cordyceps* 5126
by *Formica* 1962
by *Glypta* 5696
by *Neoaplectana* 4517, 4518, 5137
by *Neoharmonia* 5707
by *Nosema* 6723
by *Olesicampe* 3993
by *Ooencyrtus* 2563, 5709, 6148
by *Parena* 4527
by Picidae 6145
by *Pimpla* 991
by *Rhizophagus* 4502
by *Rogas* 498
by *Steinernema* 4512, 6724
by *Sturnus* 3225
by *Tetrastichus* 4000
by Tylenchidae 3266
of *Andricus* 5676
of *Atta* 5126
of *Camponotus* 6146
of *Cephalcia* 523, 4512
of *Choristoneura* 3148, 3149, 3151, 3154, 5145, 5696, 5701, 5702, 6723, 6724
of *Crinocraspeda* 5653
of *Dasychira* 496
of *Dendroctonus* 4502, 5695
of *Dendrolimus* 5138
of *Diprion* 1451
of *Ennomos* 5709
of *Eucallipterus* 2556
of *Eutectona* 3208
of *Gilpinia* 5714, 6729
of *Gonipterus* 517
of *Hyphantria* 2522, 4526, 4527
of *Ips* 6748
of Lepidoptera 3222
of *Lymantria* 498, 991, 1004, 2563, 4516, 5135, 6113, 6148, 6153, 6728, 6730
of *Magicicada* 2504
of *Matsucoccus* 6728
of *Neodiprion* 1042, 6142, 6727
of *Odontotermes* 1944
of *Orgyia* 6736
of *Plagiodera* 5707
of *Pristiphora* 3993
Biological control *contd.*
insect pests *contd.*
of *Rhyacionia* 5715
of Scolytidae 6144, 6145
of *Sirex* 1972
of *Thaumetopoea* 5715
of *Tomicus* 5717
of *Tortrix* 6140, 6718, 6734
of *Xanthogaleruca* 4000
of *Zeiraphera* 497
research 3114, 6147
reviews 1971
saprophytes 5626
simulation 6148
weed trees and shrubs 110, 2195
Biomass production 762, 763, 2893, 3837 4601
Biomass production (*see also* Foliage, measurements; Forest litter, measurements; Increment, weight; Weight determination)
bibliographies 5823
books 1109, 4601
cold zones 4312
trees 6532
conferences 651, 1129, 4154
economics 41, 2700, 2709, 2846, 4244
for energy 1, 41, 49, 172, 443, 601, 798, 799, 1132, 1148, 1197, 1377, 1550, 1551, 1567, 1601, 1602, 1603, 1623, 2261, 2664, 2694, 2698, 2699, 2700, 2702, 2706, 2707, 2708, 2709, 2710, 2803, 2846, 2853, 2854, 3346, 3424, 3559, 4137, 4190, 4216, 4309, 4310, 4601, 4676, 4677, 4678, 4698, 4823, 5724, 5784, 5803, 5813, 5828, 5855, 5938, 6257
methodology 1109, 1218, 2255, 3761, 3765, 4820, 5408, 6397
periodicals 5803
research 1551
reviews 1363
simulation 1703, 1716, 4312
statistical methods 18, 786, 797, 1684, 1689, 2670, 3541, 3559, 4532, 5416, 5927, 6397, 6410
temperate zones 232, 443, 797, 800, 826, 945, 1129, 1195, 1197, 1296, 1325, 1363, 1549, 1698, 2256, 2269, 2946, 3544, 3561, 3564, 3603, 4308, 4816, 5408, 5724, 5982, 6406, 6420
trees 28, 156, 180, 447, 789, 791, 799, 1180, 1196, 1540, 1658, 1659, 1688, 1857, 2259, 2261, 2263, 2325, 2382, 2818, 2837, 2838, 2839, 2840, 2842, 2843, 2859, 3209, 3409, 3541, 3546, 3547, 3548, 3549, 3550, 3553, 3554, 3562, 3563, 3569, 4232, 4234, 4235, 4244, 4276, 4698, 4728, 4808, 4824, 4825, 4873, 4908, 5365, 5410, 5414, 5862, 5927, 5933, 5936, 5937, 5938, 5948, 6397, 6400, 6410, 6508
underwood 310, 786, 1222, 1445, 1854, 5009, 6760
tropics 803, 1687, 1892, 2946, 3232, 3765, 3824, 3827, 4601, 4820
trees 168, 225, 829, 1689, 2721, 2845, 2850, 2851, 3246, 3558, 3793, 4120, 4250, 4437, 4810, 4819, 5385, 5412
Birds 1111, 2399, 2400, 2522
biology 548, 4533, 4541, 6230, 6771
Buteo 4545
Corvus 4545
Fringillidae 5155
Milvus 4545
Paridae 5155
Parus 5160
Sturnidae 1985
books 4612
conferences 2661
conservation 2024, 3234, 4022, 4024, 6068, 6194, 6770
damage by 3227, 5155, 6230, 6767
disease vectors 3113
ecology 543, 548, 995, 1057, 1062, 1833, 1982, 1984, 1989, 2447, 2515, 2580, 2583, 2588, 2626, 3222, 3224, 3225, 3231, 4010, 4011, 4015, 4536, 4540, 4545, 4549, 4612, 5152, 5737, 6068, 6145, 6157, 6158, 6165, 6736, 6771, 6773
effect of pesticides 5699

Birds *contd.*
management 2661, 3231, 4015, 4545, 5738
simulation 4022, 6158
statistical methods 1062
Bison bison 3218
Biston regalis 3205
Blaps faustii 3919
Blastophagus piniperda (see *Tomicus piniperda*)
Blepharipa pratensis 6113
Bluestain (*see* Stain fungi)
Bocconia vulcanica 6005
Bogs 1645, 3813 (*see also* Afforestation, peatland; Vegetation types, bogs)
Boletus 6615
Bolivia
afforestation 2103
agroforestry 2103
erosion control 2103
land reclamation 2103
Bombacopsis glabra 2372
Bombacopsis quinata 2116
Bombax ceiba (see *Bombax malabaricum*)
Bombax malabaricum 1463, 2277, 2860, 4573, 4693
Bonkawe 5389
Book-keeping (*see* Accountancy)
Books
Abies alba 3276, 4611
acclimatization 5817
acid rain 5234
Aegeriidae 3268
agroforestry 4121
arboriculture 2036, 2643, 5816
arid regions 2639, 2642
Arizona 4612
assimilation 1510
bark beetles 4109
Betula 4599
biological control 2046
biomass production 1109, 4601
birds 4612
botany 4601
British Columbia 5228
catchment areas 4110
Cervus elaphus 2042
Choristoneura fumiferana 6206
climbers 6211
Coniferae 2643, 4125
Coniferinae 1512
contour ridging 4122
cross country vehicles 4111
deer 3278
Dendroctonus frontalis 1105
Developing Countries 613
dictionaries 1511, 2051
Dipterocarpaceae 1102, 1509, 4118
diseases of trees 1500, 2640
drought resistance 2625
economics 589, 1101
edible species 2634
energy resources 4108, 5813
erosion control 587
Fagus sylvatica 1112
fences 7
fire control 5806
fire effects, on ecology 1507
flora 590, 1113, 2043, 3272, 3273, 3280, 5804, 5805, 6208, 6210
fodder 4119
forest ecology 1103, 2041, 2047
forest fires 4600
forest influences on, hydrological factors 5807
forest inventories 2641, 5809
forest management 4117
forest policy 3275, 4117
forest recreation 1506, 2048, 6204
forest resources 4108
forestry 591, 1508, 2633, 4112, 4113, 5228, 5843
forestry development 4110, 5232
France 4610
fungus diseases 1505
genetics 5812
Ginkgoinae 1512
hedgerow trees and timbers 7
hedges 7
herbicides 4114
history 1103, 2040, 2638, 3270, 3276, 4129, 4609
hydrology 5

Books *contd.*
increment 2050, 2641
insect pests 3, 1505, 2039, 5227
Israel 2049
land use 2637, 3279, 5230, 5233, 6204, 6205, 6207
landscape 2628
landscape ecology 5230
legislation, German Federal Republic 2052
Leguminosae 2044, 2045
mapping 2048
mechanization 659
Mediterranean Countries 2638
mensuration 2629, 2641
methodology 4606
Monocotyledoneae 1107
mycorrhizas 3283, 6214
national parks 1502
nature conservation 2626, 4110, 4612, 5233, 6205
Nepal 5814
New England 4112
Nigeria 589
nomenclature 1509
nursery management 696
ornamentals 5816, 5818, 6211
Pamphilius vafer 3269
parasites of insect pests 3266
Pinus cembra 6209
Pinus cembroides 2644
Pinus radiata 4128
plant ecology 1511, 5231
plant physiology 1104, 5231
plant water relations 6, 1510, 5807
planting 696
pollen 4
Populus 2646, 2647
predators of insect pests 3267
protection forest 2048
radioactive isotopes 4606
remote sensing 6212
rust diseases 6203
safety 1108
Sequoiadendron giganteum 4115, 4116
silviculture 1504, 4123, 4126
societies 3277
soil conservation 2628
soils 3271
South Africa 3280
species trials 5817, 5818
stomata 1104
street trees 1503
synecology 1507, 2037, 4993
taxonomy 4601
thinning 1108
tree breeding 5812
trees 1106, 1113, 2038, 2040
tropical crops 1501
tropical forests 5808
Tropics 3279, 4602
Uganda 590
urban and suburban forestry 5815
valuation, trees 3281
vegetation 1110, 2636, 2645, 4608, 4993
vegetation types 588, 1111, 2037, 2627, 4127, 4607, 5811
virgin forest 3282
weed control 2630, 2631
wilderness 2617
wildlife 4124
wood anatomy 2635, 4603
yield regulation 5229
Boraginaceae 1795, 6007
Boscia albitrunca 881, 3035
Boswellia serrata 5093, 5954
Botanical gardens 2894
bibliographies 3374
Botany, books 4601
Botryodiplodia hypodermia 3903
Botryosphaeria dothidea 5612
Botryosphaeria ribis 3104
Botrytis cinerea 4466
Botswana, fire effects 881
Brachylagus idahoensis 6753
Brachystachyum densiflorum 4793
Brachystegia 1917, 3825
Brachystegia boehmii 6342, 6343
Brachystegia spiciformis 6342, 6343
Bräcke scarifier 1663
Braconidae 2564
Branches 3891, 5796

Branches *contd.*
measurements 154, 1652, 1780, 5309, 5417
Brashing (*see* Pruning)
Brazil
afforestation 751
agroforestry 1086
amenity and recreation areas 5738
ants 3971
Araucaria 6046
Araucaria angustifolia 5450
biomass production 829
birds 5737, 5738
Cylindrocladium clavatum 3888
economics 829
Eucalyptus 6595
Eucalyptus grandis 3856
Eucalyptus propinqua 305
fire control 5806
fire effects 3723
forest ecology 3916
forest policy 1143, 5284
forestry 5851
forestry development 5284, 5851
fungi 941
glossaries 5825
herbaria 3012
hydrology 1218
increment 890
land reclamation 5763
legislation 5566
Lophodermium pinastri 3909
medicinal plants 5386
Miconia candolleana 888
mining wastelands 5763
mycorrhizas 5027
nature conservation 1143, 5566
nematodes 3977
Ouratea nitida 896
palms 3012
phenology 890
Piptadenia macrocarpa 751
Piptocarpha 357
Pithecellobium racemosum 6324
planning 5284
plantations 741, 5358
pollination 350
provenance trials 4198
Sabulodes caberata 3948
silvicultural conversion 5358
silviculture 1086
thinning 741
training 5851
tree breeding 3856, 6595
trees 3751
tropical forests 5358
vegetation types 1143, 3723, 3822, 5566
British Columbia
Alnus sinuata 447
Arceuthobium tsugense 5626
Barbara 2517
bark beetles 3207, 3990
biomass production 3562
books 5228
cankers 458
Cervus elaphus 5154
Choristoneura occidentalis 5702, 6696
Chrysomyxa pirolata 5601
climatology 6696
Cronartium ribicola 3899
deer 3212
Dendroctonus ponderosae 3163, 3596
Dendroctonus rufipennis 5691
diseases of trees 3908, 3923
economics 4315, 4771, 4863
energy resources 3343
fertilizers 2752
forest management 4315
forestry 5228
Gnathotrichus sulcatus 2565, 5700
grazing 3212
Halisidota argentata 3155
hares 3235
insect pests 2498, 3923, 3947, 5118
Lambdina fiscellaria 5658
mammals 1469
measurement of roundwood, equations 159
mistletoes 486
mixtures 183, 2823
natural regeneration 4817
Nepytia freemani 6738
nursery management 5683

British Columbia *contd.*
Orgyia pseudotsugata 6731
Petrova albicapitana 3156
Picea glauca 5601
Picea sitchensis 4771
Pinus contorta 4211
Pissodes strobi 4771, 5660
plant ecology 4434
plant geography 4434
plantations 5660
planting stock 1592
Pseudotsuga menziesii 4332
remote sensing 4332, 4845
rodents 4211
seed orchards 2498
silviculture 4315
site types 4989
soil chemistry 239
squirrels 3235
streams 5166
stumpage value and fees 5286
Synanthedon sequoiae 3156
taxation 5286
thinning 4266
tree and stand measurements 183
wildlife, damage by 547
wood borers 3990, 3991
working plans 4833
Xiphinema bakeri 5683
Xyloterus lineatus 2565, 5700
Brosimum alicastrum 601, 4787
Brosimum utile 2117, 2163, 6767
Broussonetia papyrifera 5633
Browse 535, 536, 537, 542, 1055, 1059, 1188, 1968, 1976, 1980, 1988, 2576, 2876, 3209, 3211, 3212, 3213, 3214, 3215, 3217, 3218, 3219, 3220, 3230, 3232, 3236, 3491, 3919, 4003, 4006, 4292, 4562, 5147, 5183, 5247, 5724, 5728, 5729, 5731, 5732, 5741, 6285, 6754, 6755, 6756, 6757, 6758, 6763, 6764, 6769
Browsing damage 1060, 1993, 2584, 2606, 3237, 4020, 4026, 4547, 6166, 6769
Bruchidae 6704
Bruchophagus mutabilis 3117
Bruguiera gymnorrhiza 3024
Bruguiera parviflora 3236, 4441, 4718, 4719, 4991
Brunchorstia pinea (see *Gremmeniella abietina*)
Brunia nodiflora 4390
Brush control (*see* Weed control, weed trees and shrubs)
Brush cutters 2771, 6370
Brushwood and scrub, utilization 2771
Bruunett forwarder 756, 757
Buchanania lanzan 2909, 3507, 5093
Buchanania latifolia 1593
Budding (*see* Vegetative propagation, budding)
Buddleia 2496
Buds 467, 893, 1804, 2448, 3133, 3730, 3771, 4396, 4401, 4402, 4411, 5155, 6591
Bulgaria
afforestation 5446
air pollution 3685, 6444, 6497
amenity forests 6794
biological control 3225, 5715
biomass production 2269, 5408, 6410
birds 3225, 6770
Ceratocystis fagacearum 5609
climatology 6444
coppice 6316
cork 3516
diseases of trees 6628
economics 212, 2883
Eriophyidae 5681
erosion control 4036
Fagus sylvatica 6405
Fraxinus excelsior 3425
frost injury 5440
Heterobasidion annosum 6630
hydrology 5749, 6778
insect pests 5721
mechanization 2807
nature conservation 6794
phenology 5523
Pinus pinaster 6506
plantations 5895
Populus 2883, 5431, 6628
protection forest 6794
provenance trials 5318
Bulgaria *contd.*
Quercus petraea 5483
Quercus suber 3516, 6543
resin tapping 5921
runoff 4036
shelterbelts 6180, 6182
site class assessment 6398
site types 5483
soil types 2919, 5449
soils 2950
species trials 2714, 5307
thinning 6361
Tortricidae 5655
tree breeding 6594
vegetation types 2919, 6316, 6398, 6566, 6778
volume tables 6384
Bupalus piniarius 996, 5099, 6143
Buprestidae 511, 5688
Burkea 3825
Burkea africana 2256, 3558, 3624, 3673, 3765, 3827, 4531
Burma
deforestation 4145
Tectona grandis 5941
Burrs 3737
Bursaphelenchus lignicolus 1015, 1034, 1454
Bursaphelenchus xylophilus 965, 1453, 1454, 1455, 1955, 1958, 1964, 1965, 1966, 2450, 3438, 4510, 4511, 4513, 5120, 5131, 5132, 5251, 5682, 5712, 5718
Bursera penicillata 4418
Burseraceae 327
Bush fallow (*see* Shifting cultivation)
Butea monosperma 2909, 3345, 6546
Buteo buteo 4545
Butt rots (*see* Root and butt rots)
Butyrospermum parkii 5499
Buxus harlandii 4424
Buxus liukiuensis 3019
Byelorussian SSR
assortments and assortment tables 6394
cankers 462
Coniferae 4953
Larix 462
Lymantria monacha 1460
yield regulation 147
Byrsonima crassifolia 3672, 3724
Cacoecimorpha pronubana 3953
Caeoma deformans 3913
Caeoma salicis-miyabeana 5069
Caesalpinia pulcherrima 3746
Caesalpinioideae 6545
Caillardia 3919
Calamus andamanicus 2816
Calamus caesius 134, 760, 1674
Calamus longisetus 2816
Calamus manan 134, 4794, 4795
Calamus pallidulus 134
Calamus pseudorivalis 2816
Calamus scipionum 134, 760
California
Abies concolor 2374
air pollution 1260, 1267, 2344
arid regions 4567
artificial regeneration 4768
biological control 2556
biomass production 1684, 2841
birds 1984, 2583
Camponotus modoc 2505
Ceanothus megacarpus 6520
Ceratocystis ulmi 1401, 5611
Cinara 2505
climatology 1364
controlled burning 1288
coppice 4242
Dendroctonus brevicomis 529, 5663, 6741
Dendroctonus jeffreyi 2540
Dendroctonus ponderosae 2540
diseases of trees 2480
erosion 4038
fire danger 1202
fire effects 1291, 1296, 4116
fire suppression 1289
forest fires 1294, 1307, 1308, 1309
forest management 1200
forest resources 6432
Franseria dumosa 5565
grazing 1288, 5730
herbicides 6334
Heterobasidion annosum 2478
California *contd.*
history 1307, 1308, 1309
insect pests 4001, 5631
land reclamation 4567
land use 2018
landscape 1489
landslides 5759
Larrea tridentata 5565
Lophodermella arcuata 971
Lymantria dispar 2511
mistletoes 5085
nitrogen cycle 3666
nursery management 3079
nutrient cycles 246
Paranthrene robiniae 5137
Pinus ponderosa 4001
pollution 6500
predators of insect pests 3980
Prosopis 49
provenance trials 6469
Quercus 1130, 1142, 1179, 1200, 1346, 1419
remote sensing 2480, 6432
roads 4038
Scolytus multistriatus 1437, 6700
Sequoia sempervirens 4242
Sequoiadendron giganteum 4115, 4116
shrubs 1339
site preparation 6334
site types 1111
succession 922, 1874
synecology 922, 1874, 1875, 3029
Thaumatographa 3954
thinning 5046
underwood 4460
vegetation types 246, 1200, 1294, 1296, 1308, 1325, 1359, 1364, 1874, 1875, 1876, 2442, 2443, 2663, 3666, 4115, 4116, 5565, 6625
Verticicladiella wageneri 5046
weed control 3475, 3476, 5730
wildlife 1464
Calliandra calothyrsus 5385
Calliandra portoricensis 3746
Callicarpa superba 6682
Callicarpa tomentosa 3742
Calligonum comosum 1539, 2436
Callirhytis fructuosa 1421
Callirhytis quercusoperator 1421
Callistemon viminalis 3758
Calluna vulgaris 2779, 2928, 3123, 5555, 5764, 6532
Callus 4216, 5248
Calocedrus (see *Libocedrus*)
Calocera viscosa 1395
Calonectria floridana 1388
Calonectria ilicicola 1388
Calonectria quinqueseptata 1388, 6627
Calophyllum 2163
Calophyllum brasiliense 2117, 3246
Calophyllum elatum 773
Calorific value 376, 1549, 1687, 2399, 2400, 3345, 5019 (*see also* Thermal properties of wood)
Caloscypha fulgens 448, 5040
Calosoma 6730
Calosoma sycophanta 4516, 6730
Calosporella innesii 5023
Calotropis procera 491
Cambium 315, 330, 907, 3764, 4408, 4957, 5517, 5518, 6472, 6638
reviews 2386
Camellia sinensis 5390
Cameraria 1950
Cameroon
Cryphyonectria cubensis 6655
flora 3778
forest inventories 3584
Lophira alata 2429
Lophira lanceolata 2429
Pycnanthus angolensis 3584
Camping 4074, 4581, 4583, 4585, 4587
Campnosperma brevipetiolata 2500
Campnosperma zeylanica 5556
Campomanesia 348
Camponotus 5126, 6146
Camponotus laevigatus 990
Camponotus modoc 2505
Camponotus pennsylvanicus 2621
Camponotus thoracicus 5711
Camponotus vicinus 990
Campoplex frustranae 993
Campsis radicans 2786

Camptostemon schultzii 4440
Camptotheca acuminata 3554
Canada
acid rain 5234
Argyresthia 6111
bark beetles 4109
biological control 5690, 6147
biomass production 4309
Cenopis acerivorana 3945
Choristoneura fumiferana 3191, 6206, 6693, 6694
Dendroctonus ponderosae 1448
diseases of trees 1387
farm woodlands 2614
fire danger 2355, 3720
fire effects 6515
fire suppression 5493
forest fires 1521
forest inventories 2874
forest management 2057
forest policy 2685, 3153, 5283
forest statistics 2874
fungus diseases 6096
insect pests 1421, 3151, 4494, 4498, 5227, 6096
Isoptera 6100
land reclamation 444
metrication 1193
mistletoes 6096
nature conservation 3229
nursery management 6099
ornamentals 444, 4103
Picea mariana 3537
Populus 2614, 5826
Pulicalvaria thujaella 6111
quarantine 3898
remote sensing 4149
research 5235
seed 5330, 6290
seed certification 3373
synecology 2037
vegetation types 1507, 2037
virus diseases of insects 4520
wildlife 3229
Canes and rattans 134, 760, 1674, 2816
Canis lupus 4014
Cankers 451, 458, 1929, 2461, 2901, 3094, 3908, 5616, 5618, 6657, 6658, 6661, 6664
assessment 459, 2880, 3095, 3899, 3903, 6659, 6660
bacteria 1921, 4484
control 3096, 5625
damage by 3096
fungi 453, 462, 966, 967, 1409, 1921, 2479, 2483, 3089, 3901, 3902, 4475, 4478, 4480, 5071, 5074, 6093, 6656
histology 2479, 3090, 4479
resistance to 3900, 3904, 3907, 4482, 5071, 5074, 5303, 5617, 6628, 6663, 6665, 6666
Canopy 92
measurements 2822, 2876, 3587
structure 1945, 3439, 3532, 4425, 6377
Canthium obovatum 3467
Capital Territory
Isoptera 6733
Melampsora larici-populina 1934
nursery management 5894
ornamentals 5894
provenance trials 1149
Capra ibex 4544
Capreolus capreolus 1991, 2584, 2587, 2591, 4009, 4026, 6769
Capricornis crispus 4017, 4018, 4019, 6155
Carabidae 1938, 6134, 6717
Caragana arborescens 3746, 6790
Carallia 1844
Carapa guianensis 5358
Carbon cycle 2945
Carduelis pinus 4533
Careers in forestry (*see* Education; Training)
Caribbean, nitrogen cycle 3290
Caricaceae 3014
Cariniana pyriformis 2116, 2117, 2163
Carissa carandas 5499
Carpinus 6376
Carpinus betulus 4329
air pollution, damage 6492
bark, measurements 163
drainage 2188
fungi 5022
ground vegetation 5009

Carpinus betulus *contd.*
hedges 5760
insect pests
Agriopis 5103
Erannis 5103
Operophtera 5103
mycorrhizas 5595
plant tumours 4491
plant water relations 234, 2188, 6467
silviculture 5845
stand characteristics 5845
succession 6568
underwood 4822
vegetation types 926, 3807, 4999, 6566
virgin forest 5557
volume determination 5397
Carpinus orientalis 112, 5466, 6198
Carulaspis juniperi 3928
Carya 12, 145, 776, 794, 1540, 1681, 1868, 2933, 4300, 6572
Carya glabra 725, 2263, 3473
Carya illinoensis 1223, 2877, 3412, 3938
Carya ovata 4691
Carya texana 1441
Carya tomentosa 2321, 4024
Caryocar 5499
Caryocar glabrum 6455
Caryodendron orinocense 2364
Casearia tomentosa 983
Cassia 1379, 1976
Cassia acutifolia 2931
Cassia angustifolia 2931
Cassia auriculata 2931, 3746
Cassia occidentalis 2931
Cassia planisiliqua 3746
Cassia siamea 6687
Cassia tora 2931
Castanea crenata 3357, 4172, 4960, 4961, 5342, 5391
Castanea dentata 968, 3357
Castanea mollissima 3357, 5388
Castanea sativa
diseases, cankers 483, 3109, 5071, 5074, 5625
humus 5446
insect pests, Homoptera 3934
mycorrhizas 3870
plant nutrition 3870
soils 2314, 2905, 4354
succession 2314
Castanopsis cuspidata 923
Castanopsis cuspidata sieboldii 923
Castanopsis indica 1892, 1893
Castor canadensis 1061
Casuarina cristata 4462
Casuarina cunninghamiana 3443, 5596
Casuarina equisetifolia 227, 1167, 2021, 2319, 3173, 4249, 4684, 5596
Casuarina glauca 5596
Casuarina littoralis 4462
Casuarina luehmannii 4462
Casuarina monilifera 4462
Casuarina muelleriana 4462
Casuarina paludosa 4462
Casuarina paradoxa 4462
Casuarina pusilla 4462
Casuarina verticillata 4462
Casuarinaceae 3014
Catalpa bignonioides 2724, 3086
Catalpa bungei 3086
Catchment areas 80, 550, 2596, 6434 (*see also* Afforestation, catchment areas)
bibliographies 594
books 4110
economics 1064
hydrology 653, 654, 844, 1763, 1998, 2000, 2324, 2600, 3239, 3241, 3242, 3461, 3609, 4028, 4034, 4035, 4110, 4550, 4554, 5163, 5165, 5171, 5176, 5250, 5488, 5748, 5750, 5751, 5752, 5753, 5754, 5755, 5756, 5807, 5833, 6170, 6174, 6175, 6776
management 1064, 2181, 2597, 2598, 2600, 2603, 3241, 3461, 3609, 4030, 4035, 4110, 4560, 4605, 4946, 5162, 5163, 5164, 5171, 5202, 5752, 5807, 6175, 6776, 6781
nutrient cycles 1066, 1067, 1068, 1763, 1998, 2324, 5166, 5833, 6477
reviews 6781
simulation 4605, 6170
systems analysis 4605
Caterpillar ripper 2808

Catopsilia pomona 6687
Cattle 540, 1975, 1976, 3218, 4006, 4292, 6752, 6754, 6755
Ceanothus 1325
Ceanothus crassifolius 1337
Ceanothus greggii 1337, 3215
Ceanothus greggii perplexans 1364
Ceanothus marinus 1339
Ceanothus megacarpus 6520
Ceanothus thyrsiflorus 1339
Ceanothus velutinus 438, 2922
Cecidomyiidae 5679
Cecropia concolor 5501
Cecropia sciadophylla 5501
Cedrela 3456
Cedrela fissilis 2329, 3941
Cedrela mexicana (see *Cedrela odorata*)
Cedrela microcarpa 3457
Cedrela odorata 2116, 2117, 2163, 3457, 4504
Cedrela toona (see *Toona ciliata*)
Cedrobium lapportei 1426
Cedrus 2730, 5338, 5797
Cedrus atlantica 1482, 3329, 6699
Cedrus deodara 2277, 2948, 3328, 3527, 4340, 4424, 4464, 5332, 5888
Cedrus libani 6699
Ceiba pentandra 2116
Celastrus orbiculata 2733
Celastrus strigillosa 2733
Celtis australis 4419, 5710
Celtis canadensis 940
Celtis laevigata 6009
Celtis occidentalis 1069, 2724, 3654, 6009
Celtis pallida 6763
Celtis reticulata 6009
Cenangium ferruginosum 1416, 6670
Cenococcum geophilum 412, 413, 1751, 1916, 2012, 2467, 2468, 2765, 5038, 5594, 6611
Cenococcum graniforme 224, 1382, 3073, 5029, 5595
Cenopis acerivorana 3945
Central America
flora 6544
Miconia 5548
provenance trials 4429
Scolytidae 513
taxonomy 6544
Central West Brazil
hunting 1058
vegetation types 924, 1058
Cephalcia 6143
Cephalcia abietis 4512
Cephalcia lariciphila 4517, 4518
Cerambycidae 511, 1954, 1965, 2541, 5661, 5664, 5666, 5688
Ceratocystis 6091
Ceratocystis fagacearum 1928, 3085, 3895, 5060, 5609
Ceratocystis fimbriata 3094, 5603
Ceratocystis fimbriata platani 1400, 1403
Ceratocystis ips 965
Ceratocystis minor 3166
Ceratocystis penicillata 6652
Ceratocystis polonica 6652
Ceratocystis ulmi 5603
assessment 1401
biology 1399, 1402, 4473, 5062, 6647, 6650, 6651
conferences 5246
control 484, 960, 962, 975, 976, 1399, 1440, 2566, 2567, 3896, 4377, 4490, 5084, 6676, 6677
damage by 6096, 6649
detection 1401
distribution 3966, 5061, 5062, 6649
ecology 959
economics 961
history 5063
infection 6648
methodology 455, 6653, 6654
remote sensing 4328
research 5246
resistance to 4473, 5061, 5611
reviews 5610
taxonomy 6653
Ceratocystis wageneri 2480
Ceratoides lanata 5455
Ceratomegilla maculata 2547
Ceratonia siliqua 1210, 1332, 1336, 1338, 1340, 1342, 1552, 4199, 5499
Ceratozamia kuesteriana 361

Cercidiphyllum alalongum 1796
Cercidiphyllum japonicum 5680
Cercidium floridum 1684, 5724
Cercidium microphyllum 885
Cercidium praecox 4787
Cercidium texanum 6763
Cercis canadensis 898, 2395
Cercis chinensis 2395
Cercis griffithii 2395
Cercis siliquastrum 2395
Cercocarpus ledifolius 5741
Cercocarpus montanus 3215
Cercocebus galeritus 5213
Cercopithecus aethiops 1986
Cercopithecus mitis monoides 5213
Cercoseptoria pini-densiflorae 2493, 6094
Cercospora sequoiae 1387
Cercospora wrightia 3886
Ceresium flavipes 5116
Cerina forda 3827
Ceriops tagal 4440
Cervus canadensis 2042, 2427
Cervus elaphus 1991, 2042, 2213, 2587, 2591, 2606, 3228, 3229, 3233, 4009, 4547, 5148, 5154, 5736
Cervus elaphus nelsoni 5733
Cervus nippon 5792
Cervus unicolor 5149
Chaetomium trilaterale 5043
Chaitophorinae 3936
Chalcididae 6113
Chalcidoidea 2522, 2564
Chamaebatia foliolosa 1296
Chamaecyparis 5797
Chamaecyparis lawsoniana 84, 972, 1172, 1907, 1924
Chamaecyparis lawsoniana* × *C. obtusa 1907
Chamaecyparis lawsoniana* × *C. pisifera 1900
Chamaecyparis nootkatensis 2988, 6303
Chamaecyparis obtusa
artificial regeneration 4727
bark 15, 2996
bears 5157
biomass production 2382, 2838, 2839, 3553, 5937, 5982
chemical constitutents of plants 5982
cones, development 346
crown 3528, 4802, 5405, 5923
defoliation 6150
economics 5433
evaporation 4357
evapotranspiration 2601
fertilizers 77, 2915, 3402
foliage 5923
forest litter 2839, 2915, 2916, 5968, 5969, 6459
forest statistics 5398, 5399
form factors 6379
genetics 3848
growing stock 5909
hares 5158
height measurement 3557
hybridization 1907
hydrology 6172
increment 1697, 5398, 5405, 5407
insect pests, Lepidoptera 496
insecticides 1973, 6150, 6745
light 2889
microclimatology 6172
mixtures 4767
natural regeneration 101, 4767, 5898, 5899
nutrient cycles 1762, 1763
plant water relations 3382
plantations 5899
plantations in, Honshu 149
planting season 4725
plus trees 5340
pollination 346
precipitation 6172
reproductive behaviour 346
respiration 2382, 6533
seedlings 2892
silviculture 656, 4274, 4767
site class assessment 3557
soil biology 5969
soil water 4357
spacing 149
stand characteristics 368, 4805
stem flow 6172
stem forms 4802, 6379
Chamaecyparis obtusa *contd.*
succession 368
thermal relations of plants 2996
thinning 5909
throughfall 6172
tree breeding 5585
underplanting in, conifers 4727
underwood 2935
vegetative propagation 3382, 5340
voles 5739
volume determination 4304
weed control 1762
wildlife 546, 4017, 4018, 4019
yield regulation 5909
Chamaecyparis obtusa* × *C. pisifera 5585
Chamaecyparis pisifera 1907, 5585
***Chamaecyparis pisifera* 'Aurea'** 1580
Chamaecyparis thyoides 847, 1907, 4890
Chamaedaphne calyculata 231
Chaparral (*see* Vegetation types, chaparral)

Chemical constituents of plants 67, 312, 4675
Al 5464
amino acids 5643, 5650
analysis 2070, 2375, 3214, 3302, 4003, 4156, 4419, 6029, 6593
As 3695
Ca 2469, 3403, 4906, 4908, 6586
Cd 6500
Cu 6586
genetics 395, 3041, 3042, 3759, 3840, 6586
inorganic compounds 4925, 5472, 5650, 5778, 6481, 6482
K 3403, 4906, 4908, 5980, 6586, 6764
major elements 237, 238, 1225, 2469, 2843, 2935, 2943, 3678, 3759, 3840, 4223, 4913, 5459, 5880, 5982, 6029, 6483
Mg 3403, 4906, 4908, 6586
minor elements 237, 238, 4929
Mn 4908, 6586
Na 6586, 6764
nitrogen 3302, 3403, 3673, 4906, 4908, 5980, 6625
organic compounds 2115, 5890
abietic acid 6025
alcohols 4970
alkaloids 1666, 3757
amides 6025
amino acids 2375, 3969, 4210, 4416, 6025
anthocyanins 6025
aromatic acids 4414
carbohydrates 2377, 3410, 3969, 4087, 6758
carotene 3752, 6531
carotenoids 1804
catechins 5526, 6025
cellulose 4412, 5520
chlorophyll 3302, 5520, 5523, 6531
cyanidins 3969, 5526
cyclitols 4969
enzymes 1847, 1903, 4416, 4949, 5534, 5576, 6593, 6600
extractives 6025
fats 5644
fatty acids 907, 4210, 4418
flavones and flavonoids 472, 1805, 3754, 3756, 4417, 4431, 5526, 5527, 5644
glutathione 1273
glycerides 6026
glycosides 1805, 3755, 6027
hemicelluloses 5519, 5545
isolariciresinol 6027
isoprene 2997
lactones 4417
lignans 6027
lignin 2376, 2998, 4413
limonoids 5525
lipids 1335, 1340
methodology 4420
myrcene 2543
oils 1668, 1798, 1799, 2229
oxalic acid 2469, 2576
phenolic compounds 336, 1425, 1801, 1820, 1948, 2375, 4414, 4415, 4416, 5037, 6024
phenols 952, 3758
phytic acid 3753
Chemical constituents of plants *contd.*
organic compounds *contd.*
phytoalexins 906
pigments 1553
pinenes 2543, 3041, 3042, 5157
polyphenols 3969
procyanidins 5643
proline 1553, 5523, 6032
proteins 399, 903, 2576, 4416, 5538, 6757
quercetins 4417
quinic acid 2998, 5643
quinones 3341
resin acids 1820, 2992, 3179
resins 2228
salicin 4501
shikimic acid 2998, 5643
sitosterols 6025
starch 1802, 1823, 2228, 5890
sugars 1340, 1802, 1823, 2375, 3410, 4969, 5643, 5644, 5650
tannins 2237, 2526, 2576, 3132, 5545, 6024
terpenes and terpenoids 335, 337, 391, 392, 535, 537, 1019, 1800, 1820, 1903, 2455, 2736, 2930, 3041, 3042, 3213, 4420, 5741, 6048, 6529, 6593
ursolic acid 3754, 4417
waxes 296
P 3403, 4908, 5980
Pb 3125
S 5464, 5479
sampling techniques 237, 238
seasonal variation 1335, 1340, 2377, 2935, 2992, 3678, 3752, 3758, 4087, 4415, 4906, 4929, 5459, 5523, 5534, 6025, 6531
Sr 3125
taxonomic value (*see* Chemotaxonomy)
Zn 2913, 6500, 6586
Chemotaxonomy 916, 939, 1841, 2376, 3756, 3759, 4603, 5305, 5545, 6048
Chile
bamboos 4308
biomass production 4308
climatology 1360, 1364
fire danger 5993
fire effects 1291
Fitzroya cupressoides 2326
flora 1360
forestry 1544, 5852
grazing 5156
increment 5928
insect pests 1423
maps 5993
nitrogen cycle 3668
Nothofagus 4240
Nothofagus pumilio 5940
nutrient cycles 246
Pinus radiata 750, 4271, 5928
Pseudopachymerina spinipes 512
reproductive behaviour 5543
site types 1111
soil biology 1215
soil chemistry 5442
synecology 4240, 6069
thinning 5928
vegetation types 246, 1325, 1360, 1364, 1423, 1806, 2442, 3668
Chilopsis linearis 4255
China
afforestation, reviews 618
agroforestry 5186
bamboos 4793
biological control 2560, 6728, 6730
Cycadaceae 1846
deforestation 4145
diseases of trees 493
Eucalyptus 1865
Eutectona machaeralis 495
forest policy 1528
forestry 25, 1141, 1528, 5279
reviews 618
frost resistance 1808
Liquidambar formosana 1848
Lymantriidae 5640
Matsucoccus 1946
Moschus moschiferus 5735
mycoplasmal diseases 974
Odontotermes formosanus 1944
palaeobotany 1846
palaeoecology 1862, 1863, 1864, 1865, 1866, 1867

China *contd.*
Paulownia 974
periodicals 1513
Prociphilus fraxini 6682
resin tapping 4289
Rhus verniciflua 449
shelterbelts 4565
soil types 1883
Sonsaucoccus 1946
Telenomus 1967
vegetation types 1879, 1880, 1881, 1882, 1883
virus diseases of trees 5081
witches' brooms 974
Chipmunks 1063, 1469
Chiroptera 350, 2398, 2515
Chloranthaceae 5516
Chlorophora excelsa 2116, 3377
Chlorosis 2944, 3677, 3687, 4893, 5979
Choice of species 468, 661, 663, 665, 673, 751, 1471, 2709, 3455, 3456, 4191, 5002, 5120, 5313, 5463, 5856
Chondrostereum purpureum 950
Choristoneura 3946
Choristoneura biennis 6096
Choristoneura conflictana 4140
Choristoneura fumiferana
attractants 1431, 3186, 4002, 5697, 6735
tetradecenal 2516
biology 1003, 1011, 1457, 2524, 3145, 6691, 6693, 6694
books 6206
control 530, 1011, 1012, 1041, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1226, 1457, 1952, 3137, 3140, 3142, 3149, 3150, 3151, 3152, 3153, 3154, 3185, 3190, 3191, 3194, 3198, 3684, 3956, 3984, 3992, 4523, 4524, 5145, 5696, 5698, 5699, 5701, 5705, 5708, 5743, 6123, 6723, 6726, 6732, 6737, 6742, 6747
damage by 509, 1002, 1010, 1011, 1012, 1046, 1433, 1457, 1516, 3118, 3137, 3139, 3140, 3142, 3143, 3146, 3154, 3159, 3951, 3956, 5651, 5675, 6096, 6123, 6431
distribution 6693
economics 3147
effect on growth 1012, 2529, 3540, 6117
feeding stimulants 4496
forecasting 3137, 3154, 5651
history 3144
host relations 4496
laboratory rearing 2524
legislation 1011, 1044
maps 3141
methodology 3198, 3939, 3940, 3984, 5675
physiology 6742
population dynamics 500, 1433, 3137, 3144, 3145, 3148, 3154, 3939, 3940, 6123, 6693, 6717
predators 4533, 6717
research 1457
reviews 3141
simulation 502, 1518, 6117
spread 6697

Choristoneura murinana 1432, 2532, 5145
Choristoneura occidentalis 531, 989, 990, 992, 995, 999, 1005, 1035, 1037, 1040, 2512, 2525, 2562, 3138, 3201, 3261, 3947, 3992, 4522, 5642, 5701, 5702, 6096, 6108, 6221, 6690, 6696, 6724
Chosenia arbutifolia 5069
Christmas trees 1185, 1417, 2786, 4203, 4251, 6373, 6669
Chromosomes 398, 400, 403, 2422, 2458, 3044, 3063, 3746, 3846, 3849, 4409, 4449, 5014, 6046, 6602
Chrysalidocarpus lutescens 6277
Chrysobothris yucatanensis 4504
Chrysocharis laricinellae 1430, 3182
Chrysomela scripta 516, 2547
Chrysomelidae 1423, 3115, 5141
Chrysomyxa pirolata 5601
Chrysonotomyia ruforum 6142
Chrysoperla carnea 6718
Chrysophtharta bimaculata 1438, 5114
Chrysopidae 6106, 6734
Chrysothamnus eremobius 5546
Chrysothamnus linifolius 1549
Chrysothamnus nauseosus 1549, 1723, 5429, 5455
Chrysothamnus nauseosus albicaulis 6757
Chrysothamnus viscidiflorus 2377, 5416
Chrysothamnus viscidiflorus pumilis 5455
Chuaspis shuichuensis 3128
Chukrasia tabularis 3456, 3457
Chukrasia velutina 2277
Chusquea culeou 4308
Chusquea tenuiflora 3835, 4308
Chytroma jarana 2117
Cicadetta albeola 3919
Cinara 1426, 3126
Cinara bogdanowi ezoana 6686
Cinara cronartii 1940
Cinara ezoana 5637
Cinara occidentalis 2505
Cinara pectinatae 2507
Cinara pinea 2560
Cingilia catenaria 4520
Cinnamomum camphora 340, 521, 3020, 5130, 6055
Cinnamomum cassia 3019
Cinnamomum pauciflorum 1800
Cinnamomum verum 773
Cistus 2239
Cistus incanus 2239
Cistus monspeliensis 1332
Citellus columbianus 5740
Citharexylum subserratum 3742
Citrus 5054
Citrus sinensis 228
Cladosporium 3101
Cladosporium cladosporioides 1934, 3101
Cladosporium herbarum 1922, 1934
Cladosporium tenuissimum 1934, 6674
Classification 644, 2437, 2691, 4139
Cleaning 1898, 2189, 2208, 4746, 4747, 5920, 6708
Clear felling 3440, 4343
effect on ecology 345, 679, 848, 1063, 1605, 1938, 1939, 4026, 4720, 5212, 5555, 6552, 6773 (*see also* Succession, relation to logging)
effect on erosion 4042, 4559, 5758, 5759, 6785
effect on hydrology 3423, 5167, 5747, 5833
effect on microclimate 2964
effect on nutrient cycles 243, 848, 1605, 1743, 1744, 1939, 2940, 3423, 3640, 5166, 5833, 6397, 6465
Clear-felling system (*see* Silvicultural systems, clear felling)
Cleistocalyx 3011
Clematis sibirica 2733
Cleridae 5688
Clerodendrum inerme 3742
Clerodendrum phlomidis 3742
Clerodendrum splendens 3742
Clerodendrum viscosum 3742
Clethra hondurensis 3672
Clethrionomys gapperi 4211
Clethrionomys rufocanus bedfordiae 1987, 6156, 6159
Cleyera japonica 4825
Climatology 1111, 1210, 1342, 1364, 1733, 1747, 2492, 2724 (*see also* Dendroclimatology; Microclimatology)
Australia 3821
bioclimatic indexes 2893, 6696
British Columbia 6696
Bulgaria 6444
climatic change 4995, 4996
France 1735
Korea Republic 4982
RSFSR-in-Europe 3102
Scotland 4059
Spain 4995
Climbers 370, 701, 2733, 4258, 4259, 4362, 4430
books 6211
Clones 404, 928, 1858
Coccinellidae 6736
Coccoloba uvifera 5499, 6570
Cochlospermum vitifolium 4787
Cocos nucifera 2021, 6013
Codes of practice (*see* Standards)
Coelidia indica 4486
Coeloides abdominalis 5115
Coeloides bostrichorum 5115
Coeloides pissodis 3986
Coffea arabica 1338
Cola nitida 5499
Coleophora laricella 1430, 3182, 5648, 6109, 6692
Coleoptera 3968, 4505, 5101, 5665
Collembola 4895, 5632
Colletotrichum 3077
Colliguaja odorifera 1195, 1360, 1364
Colobus angolensis palliatus 5213
Colobus badius gordonorum 5213
Colombia
Caryodendron orinocense 2364
Cordia alliodora 2268
deforestation 2616
fertilizer application 2154
forestry 5852
land use 2616
natural regeneration 2177
nursery management 2162, 2163
Pinus kesiya 2121
Pinus oocarpa 2121
Prioria copaifera 2265
provenance trials 2121
silviculture 2117
stand characteristics, composition 918
tree breeding 2116
Colophospermum mopane 3825, 4348
Coloradia pandora 1429
Colorado
amenity value of forests 3261
biomass production 1445
browse 3220
Dendroctonus ponderosae 3188
forest fires 1301
history 1301
Janetiella coloradensis 5129
landscape 3261
mistletoes 5085, 5086
natural regeneration 6318
Populus tremuloides 6318
remote sensing 5429
soil conservation 1445
soil surveys 5429
Colpoma quercina 6629
Combretum molle 3624
Commiphora 3825
Commiphora wightii 1792
Commonwealth, research 2659
Communication (*see also* Radiocommunication)
Community forestry 1, 565, 2610, 2642, 3252, 4065, 4173, 4201, 4202, 4621, 4644, 5184, 5204, 5276, 5420, 5499, 6804
Compartments 745
Compensation, for damage 4395
Comperiella indica 5097
Competition (*see also* Crown, competition; Roots, competition)
effect on growth 182, 3361, 3430, 3454, 3468, 3554, 4987, 6055, 6403, 6553
genetics 3361
ground vegetation 3788, 4722, 4986, 4991, 5553, 5773, 5906
shrubs 3069, 3468, 5906, 6334
simulation 3788, 5409
stand factors 143, 3554, 5409, 6553
trees 4716, 5906
Composts 84, 3417, 5885
Comptonia peregrina 445
Computer techniques
accountancy 4160
air pollution, detection 1235
amenity and recreation areas 6807
Betula pendula 4402
classification 828
controlled burning 1290, 2970
costing 4160
data processing 827, 828, 1135
dendrochronology 6812
dendrometers 4801
economics 612, 3334, 6440
education 640
equipment 3521
fire control 5994
fire danger 1772
foliage, seasonal behaviour 319
forest fires, smoke 2970
forest inventories 138, 140, 202, 1119, 3582, 4324, 4327, 5218, 6234, 6429
forest management 201, 254, 2276, 2869, 3254, 3310, 3576, 4160, 4318, 4835, 6425

Computer techniques *contd.*
forestry 4637
form factors 5397
genetics 5571
growth models 187, 193, 607, 608, 611, 1518, 2073, 2669, 3299, 3567, 5259, 5260, 5411, 5418, 5941, 6414, 6422
increment 5941
information services 1545
land use 3254
light 1770
mapping 827, 1720, 4329
maps 4849, 4850
measurement of roundwood 2204, 2248
mensuration 138
mistletoes 486
mixtures 2869
operations research 4835
remote sensing 208, 1205, 3587, 3589, 5426
roads 1705, 1707, 4849, 4850, 6425
seed 6292
stand characteristics 140, 2819
stand tables 6428
statistical methods 1133, 1134, 2667, 2826, 4159
stem analysis 3521
street trees 5218
synecology 2437
tree breeding 5571
urban and suburban forestry 5218
valuation 5956
vegetation 2437
volume determination 2821, 2828, 5397
volume tables 5406
yield forecasting 193, 810, 1701, 1705, 2271, 2272, 4324, 5941, 6422
yield regulation 2272, 3542, 4828, 5945
yield tables 5419
Cones (*see also* Seed)
chemistry 6025
collection 3369, 5321
development 346, 347, 5586, 6025
reviews 349
diseases 2498
measurements 1560
morphology 1908
pests 1033, 1560, 1561, 2498, 2513, 2517, 2519, 3942, 4687, 5091, 5669, 6713, 6725
processing 5321, 5327
production 1830, 2137, 2138, 3841, 4982, 5067, 5322, 5585, 5869, 6215
yield 3404, 6289
of seeds 5322
Conferences
Agro-forestry in arid and semi-arid zones 1123
Agroforestry research and development 5190
Air pollutants as additional stress factors under northern conditions 1122, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246
Alaska Integrated Pest Management 4140
Allocating the forest resource in Tasmania 4625
American Society of Agronomy 3289
Assessing tropical forest lands 14
Biological, technical and economic aspects of the tending of young stands 732
Biology of Australian plants 4147
Breeding strategies including multiclonal varieties 5249, 5572, 5573, 5583
British Mycological Society 2662
Broadleaves in Britain 2656
Canadian Hydrology Symposium 5833
Central Hardwood Forest Conference 1519, 1541, 1581, 1595, 1606, 1608, 1609, 1628, 1656, 1658, 1660, 1661, 1688, 1726, 1740, 1770, 1809, 1810, 1847, 1856, 1857, 1868, 1871, 1884, 1885, 1886, 1887, 1888, 1889, 1897, 1914, 1915, 1928, 1956, 1957, 1999, 2000, 2001, 2002, 2003, 2004
CIBA Foundation 5191
Color Aerial Photography in the Plant Sciences and Related Fields 2663
Conservation of wooden cultural property 6196
Conferences *contd.*
Coping with pressures on U.S. forest lands 4146
Dartmouth Symposia on Renewable Resources 2057, 4142
Ecological effects of different land uses and management practices on boreal forests 570
Ecology and coal resource development 5770
Ecology, management, and utilization of California oaks 1130, 1142, 1179, 1346, 1419
Ecology of tropical savannas 3294, 3558, 3624, 3647, 3648, 3673, 3723, 3724, 3765, 3788, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 4006
Economics and harvesting of thinnings 4634, 4710, 4731, 4752, 4753, 4754, 4755, 4756, 4757, 4758, 4759, 4760, 4761, 4762, 4763, 4764, 4765, 4766, 4769, 4835, 4868, 4869, 4914
Economics at national and international level and forest policy 766, 767, 768
Economics of recreation forestry and human environment 771
Effects of air pollutants on mediterranean and temperate forest ecosystems 1128, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1333, 1483
Energy conservation and use of renewable energies in the bio-industries 4137
Energy from biomass. 2nd E.C. conference 2664, 2708, 2709, 2710, 2711, 2712, 2713, 2853, 2854
Energy management and agriculture 5254
Environmental biogeochemistry 4151
Environmental Design Research Association 2060
Environmental influences (including forest fire research) 653, 654
Environmental pollution and toxicology 4935
FAO Advisory Committee on Forestry Education 6227
FAO/ECE 1521
FAO/UNEP/UNESCO expert meeting on tropical forests 6229
Farming systems and farming systems research 5192
Fast growing trees 4626, 6574, 6575
Financing forestry investments: attracting private capital to timber and timberland 6223
Finnish-Soviet symposium on forest genetics and forest tree seed production 13
Fire history workshop 1114, 1118, 1127, 1284, 1292, 1293, 1294, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1496, 1497, 1498
First North Central Tree Improvement Conference 5244, 5299, 5300, 5301, 5302, 5303, 5304, 5305, 5308, 5309, 5322, 5333, 5379, 5502, 5570, 5571, 5574, 5575, 5576, 5588, 5589, 5613
Forecasting stand dynamics 1518
Forest ecosystems 650
Forest environment and silviculture 649
Forest fire prevention and control 1521, 2355, 2357
Forest history 4152
Forest insect pest research and control practice 5251
Forest land assessment and management for sustainable use 14
Forest management planning and managerial economics, economics and harvesting of thinnings, and steering systems 769, 770
Forest nursery and establishment practice in New Zealand 5830
Forest resource inventory 764, 765
Forest resource inventory, growth models, management planning, and remote sensing 3299, 3567, 3577, 3585, 3601
Conferences *contd.*
Forest succession and stand development research in the Northwest 2655, 2817, 3022
Forest Taxation Symposium II 5831
Forest tree seed storage 4628, 4691, 4692, 4693, 4694
Forest Vegetation Management 4143
Forestry and afforestation techniques for dry areas 5829, 5856, 5902, 5907, 5964, 5994, 6098
Forestry extension 6228
Forestry in rural community development 4621, 5184
Forestry information systems and terminology 4153
Forestry problems of the genus *Araucaria* 4629
Global deforestation and the nineteenth-century world economy 4145
Global dendroclimatology 1124
Hokkaido Branch, Forestry and Forest Products Research Institute, Japan 2658
Identification and effects of air pollutants injurious to forests 248
Improvement of forest biomass 3837
In-place resource inventories : principles & practices 4139
'In vitro' culture of forest tree species 5248
Increasing the effectiveness of water and nitrogen in rainfed farming systems in mediterranean-type environments 5247
Indian Science Congress 2695
Induced mutations in vegetatively propagated plants 5834
INTERFORST 5781
International conference on biomass 2664
International conference on renewable resources 601
International congress for study of semi-arid and arid zones 4676
International Federation of Organic Agriculture Movements 5789
International Plant Propagators' Society 5255, 5332, 5369, 5599, 5876, 5877, 5888, 5894, 6222, 6278, 6297, 6298, 6299, 6300, 6301, 6303, 6305, 6306, 6604
International Workshop on Agroforestry in the African Humid Tropics 6188
Isozymes of North American forest trees and forest insects 1131, 1365, 1366, 1367, 1368, 1372, 1373, 1374, 1375, 1376, 1424
IUFRO 649, 732, 761, 3295, 3298, 3299, 3314, 3567, 3577, 3585, 3601, 4086, 4152, 4153, 4154, 4155, 4620, 4628, 4629, 5248, 5249, 5250, 5252, 6225, 6574, 6575
IUFRO XVII World Congress 3065, 5828
John S. Wright Forestry Conference 1119, 2066, 2197, 2198, 2199, 2200, 2201, 2202, 6250
Juglans nigra 12
Kyoto biomass studies 4154
Lake States Forest Tree Improvement Conference 2063, 2127, 2128, 2138, 2139, 2401, 2453, 2454, 2455, 2547
Lodgepole pine — our third conifer(?) 2056
MAB 5252
Malaysian Forestry Conference 597
Management of old forest drainage areas 109
Management of second growth forests 6221
Mediterranean-type ecosystems 1129, 1195, 1196, 1197, 1210, 1217, 1296, 1332, 1336, 1337, 1338, 1339, 1340, 1342, 1363, 1364, 1377
Melaleuca symposium 2065, 2115, 2192, 2193, 2194, 2195, 2196, 2267, 2362, 2589, 2590
Mensuration for management planning of exotic forest plantations 137
Mensuration, growth and yield 762, 763
Midwest Forest Mensurationists 136

Conferences *contd.*
Minnesota forest resource inventory conferences 3287
Montane forestry in central Europe 2678
Mount St. Helens: one year later 6224
Mountain environments and subalpine tree growth 4624, 4870, 4871, 4872, 4873, 4874, 4875
Mountain pine beetle related problems in western North America 3296
Multiple use land management for nonindustrial pine forest landowners 3293
National Nongame Bird Steering Committee 2661
National private non-industrial forestry conference 1125
NCASI West Coast regional meeting 4386, 4387
New Zealand Institute of Foresters 2688
New Zealand Sociological Association 3251
New Zealand Weed and Pest Control Society 3288
Nitrogen cycling in ecosystems of Latin America and the Caribbean 3290, 3549, 3620, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 4057
Nonindustrial private forests: data and information needs 1120
North American conference on mycorrhizas 4635, 5030, 5031, 5032, 5033, 5034, 5597
North American forest tree nursery soils workshop 2067, 2166, 2167, 2168, 2169, 2170, 2171, 2173
North American Poplar Council 599
Northwest Scientific Association 2655
Occupational health and safety and applied ergonomics on highly mechanized logging operations 4632
Old growth forests. A balanced perspective 2653
Organo-mineral migrations in temperate soils 6487
Pests, pathogens and vegetation 6230
Planning and control of forest operations 4155
Planning, economics, growth and yield, management and policy 761
Planning for the future 1520
Planning, performance and evaluation of growth and yield studies 4633
Plant nutrient research in the 80s 3291
Pocosins: alternative uses of the coastal plain freshwater wetlands of North Carolina 2062
Polders of the world 5771
Poplar Council of Canada 1517, 5826, 5832
Population genetics of forest trees 6231, 6589, 6590, 6591, 6592, 6593
Prescribed fire and wildlife in southern forests 2061, 4141
Reforestation of skeletal soils 2654
Remote sensing and resource development 1516
Remote sensing for observation and inventory of earth resources and the endangered environment 3295
Remote sensing for resource management 4149
Renewable resources in the Pacific 4623, 4657, 4658, 4659
Reorganization : issues, implications and opportunities for U.S. natural resources 4622
Research and practical experience in poplar culture 4138
Research needs in forestry 2659
Research on Dutch elm disease in Europe 5246
Resistance to diseases and pests in forest trees 3292
Resources — efficient use and conservation 5176
Role of forestry in rural development in Latin America 2058
Root ecology and its practical application 6226, 6248, 6448, 6455, 6466, 6467, 6476, 6489, 6508, 6522, 6523, 6524, 6532, 6578

Conferences *contd.*
SARCCUS Standing Committee for Forestry 3300, 3443, 3456, 3457, 3458, 3459, 3578
Sawmill techniques for Southeast Asia 135
Scientific research in national parks 598
SCOPE/UNEP International Nitrogen Unit 2652
Seedling physiology and growth problems in oak planting 2064
Selected issues in agricultural research 5782
Site and land classification 651, 652
Social and environmental consequences of natural resources policies 1121
Socio-economic effects and constraints in tropical forest management 2657
Soil erosion and conservation in the tropics 3289
Soil Science Society of Southern Africa 1486, 2888
Solar energy in the 80s 1148
South African Savanna Ecosystem Project 3294
Species at risk: research in Australia 4630
Stand establishment techniques and technology 6225
Stand establishment, treatment, amelioration and production of plants 656
Sulphur emissions and the environment 5460, 5461, 5478, 5479, 5480, 5757
Surface mining hydrology, sedimentology and reclamation 5772, 5773, 5774, 5775, 5776, 5777, 5778, 5779, 5780, 5793
Sustained yield 5253
Swedish Weed Conference 116, 117, 118, 119, 120, 121
Thailand Forestry Conference 2902
The biological aspects of rare plant conservation 596
The nitrogen cycle 600
The problem of scale in forest and landscape 2660, 2865, 2866, 3262, 3263
The role of fire in northern circumpolar ecosystems 4144
The role of plant-insect relationships in the population dynamics of populations of forest pests 4620, 4665, 4967, 5087, 5088, 5090, 5099, 5109, 5110, 5111, 5112, 5113, 5123, 5128, 5138, 5629, 5671, 5673, 6124
The vegetational wealth of the Himalayas 4627, 4957, 5001, 5041, 5214
Third International MAB-IUFRO Workshop on Ecosystems Research 3298, 3314, 4086
Timber harvesting in wetlands 562
Torrent, snow and avalanches 655
Trace elements in environmental health 6499, 6500
Tropical Asia 602
Tropical forests 5264, 5265
Tropical silviculture 657
Uneven-aged silviculture and management in the United States 642, 643, 703, 704, 705, 706, 707, 708, 709, 710, 711, 714, 801, 802, 814, 822, 836, 837, 1126
Urban forest management within the Commonwealth of Nations 3297
Urban woodlands: self financing — the case of Oxford's Shotover 4148
Use of multivariate statistics in studies of wildlife habitat 2059
Uses of remote sensing in forest pest damage appraisal 5245
Water and nutrient simulation models 5250
Weed control in forest management 2066, 2197, 2198, 2199, 2200, 2201, 2202
Wildlife habitat management 658
Wildlife management in savannah woodland 4150
Wood anatomy meeting of IAWA and IUFRO 5827
Wood production in the neotropics via plantations 5252, 5267, 5319, 5356, 5415

Conferences *contd.*
XIII International Botanical Congress 365
Congo
afforestation 1617, 2217
artificial regeneration 4174
education 5290
forest resources 4174
forestry 1617
natural regeneration 4174
Pinus caribaea 4458
silviculture 2217
training 5290
Coniferae 1789, 2554, 2643, 4193, 4452, 4722, 4953, 4965, 5078
books 2643, 4125
Coniferinae, books 1512
Coniophora arida 2473
Coniophora olivacea 2473
Coniothyrium fuckelii 462, 4466, 6670
Connecticut
acid rain 5477
biological control 6730
Fiorinia externa 987
Lymantria dispar 991, 3989, 5135, 5139, 5650, 6728
Magicicada septendecim 1942
Matsucoccus resinosae 6728
succession 1344
synecology 1344
Tsugaspidiotus tsugae 987
wood borers 5688
Conocarpus erectus 6570
Conotrachelus carinifer 1421
Conotrachelus naso 1421
Conotrachelus posticatus 1421
Conservation, conferences 6196
Consolidation of land holdings 4044, 4576, 6441
Contarinia inouyei 2658
Contarinia oregonensis 3995
Contour ridging 2604, 3517, 4063, 5752, 5895, 5902
books 4122
Controlled burning 313, 1974, 2355, 2362, 2972, 4946 (*see also* Site preparation, burning; Weed control, burning)
computer techniques 1290, 2970
conferences 2061, 4141
disease control 2472, 3453
economics 1774
effect on soils 882
meteorological factors 879, 1290
planning 1288, 1290, 2970, 2971, 3453, 5490, 5491
policies 1197
seasons 5491
Conversion tables and factors 1675
Cooperatives 22, 214, 766, 5291 (*see also* Forest management, cooperatives)
Coppice 1160
biomass production 1180, 1194, 1601, 1602, 1603, 2694, 2710, 2854, 4239, 4244, 4310, 5410
conversion 1161, 5449
coppice with standards 3425, 4313, 5357, 5845
economics 1657, 4244, 5433
growth 715, 2835, 3442, 4242, 5897
machines 2854
management 715, 1603, 2835, 4242, 6316
silviculture 1624, 1657, 4239, 5378, 5897
Coppicing 679, 713, 2175, 2267, 2462, 5383
control 112, 3464, 3470
Coptotermes formosanus 1943, 3925, 6100
Coptotermes frenchi 3120
Coptotermes heimi 2502
Coptotermes testaceus 5634
Coptotermes travians 2502
Cordia 6007
Cordia alliodora 2116, 2117, 2163, 2268, 5415
Cordia dichotoma 5469
Cordia goeldiana 5358
Cordioideae 6007
Cordwood 3545
Cordyceps unilateralis 5126
Coriaria arborea 440
Coriaria myrtifolia 433
Cork 3516
Cornulaca 2436
Cornus florida 1427, 2948, 5684, 6758
Cornus stolonifera 1975, 2389, 2390

Corsica
plant ecology 2428
vegetation types 2428
Corthylus columbianus 1957
Cortinellus edodes (see *Lentinula edodes*)
Corvus corax 4545
Corylus 378, 909, 6373, 6558
Corylus avellana 112, 926, 5760, 5764
Corylus colurna 5670
Corylus cornuta 1055, 3475, 5733
Corythucha ciliata 3930, 3931, 3988
Cossidae 511
Cossus cossus 5645
Costa Rica
acid rain 6490
agroforestry 5181, 5202, 5203, 5207
Amazona farinosa 6767
ants 6766
Bauhinia ungulata 2398
biomass production 5385
Brosimum utile 6767
catchment areas 5164, 5202
choice of species 468
Dothistroma septosporum 468
Gmelina arborea 3061
horses 1831, 1832
insect pests 4505
Jacaratia dolichaula 1775
Lophanthera hammelii 5547
monkeys 6766
nature conservation 5164
phenology 4397
roots 2848
seed 1831, 1832, 4505
soil chemistry 6490
Tabebuia neochrysantha 891
Trophis involucrata 4426
tropical forests 2848
Costing 4160
Cotinus coggygria 2269, 6790
Cotoneaster 5760
Cotoneaster lucida 1071
Cottus cognatus 5742
Coula edulis 5499
Cover crops 245, 443, 2733, 5773, 6373
Cowania stansburiana 3217
Crataegus 3031, 3105, 5797
Crataegus curvisepala 3031
Crataegus laevigata (see *Crataegus oxyacanthoides*)
Crataegus lindmanii 3031
Crataegus macrocarpa 3031
Crataegus mollis 4487
Crataegus monogyna 2508, 2518, 3031, 3685, 4049, 4563, 5098, 6486
Crataegus oxyacanthoides 3031
Crataegus palmstruchii 3031
Crataegus viridis 1420
Crematogaster scutellaris 6718
Crematogaster sordidula 5711
Crinocraspeda inexperta 5653
Croesia semipurpurana 3118
Croesus 5678
Cronartium 5623
Cronartium coleosporioides 478, 5615, 6662
Cronartium comandrae 478, 5067, 5615
Cronartium comptoniae 451, 3098, 5615
Cronartium flaccidum 3097, 4476
Cronartium fusiforme
biology 1404, 1930, 4477, 5070
control 478, 3914
ecology 3091
effect on growth 5350
methodology 463
resistance to 463, 465, 934, 2717, 3087, 3088, 3099, 4481, 5075, 5350
simulation 3087
Cronartium quercuum 3098
Cronartium ribicola 456, 458, 464, 1987, 2484, 2485, 2486, 2489, 3093, 3899, 3906, 5141, 5615, 6092, 6673
Cross country vehicles, books 4111
Crown 1777, 2326
branches 1653
competition 143, 1696, 5387, 5932
damage 839, 1737, 1738, 1739, 4425, 4804, 6040
development 174, 184, 1690, 1734, 2251, 3527, 4401, 4402, 5580, 6040
dimensions 154, 3528
height 3531
Crown *contd.*
measurements 1652, 1653, 2891, 3531, 3536, 3550, 3725, 5405, 5923, 5924, 5932, 6410
methodology 4401
relation to growth 1690, 2982, 2983, 2984, 3527, 3536, 3552, 3725, 4804, 5405, 5932
relation to roots 1785
relation to stem forms 2312, 4802
sampling 237, 1224, 3939, 3940
simulation 1734, 2251, 4402
weight 154, 2263, 3546, 3552, 5417, 6410
Crown cover 3590
Cruising (*see* Forest inventories; Forest surveys)
Cryphonectria cubensis 3907, 6655
Cryphonectria parasitica 483, 968, 1931, 3109, 3357, 4478, 5071, 5074, 5625
Cryptocarya alba 1360, 1423
Cryptococcus fagi 2509, 2510
Cryptococcus fagisuga 969, 3598, 4495
Cryptodiaporthe 5043
Cryptodiaporthe populea 5613, 5614, 6087, 6628, 6661, 6667
Cryptomeria japonica 5402
Acari 2555
air pollution 3692, 5468
artificial regeneration 4767
bark 15, 5527
bears 4534, 5157
biomass production 1109, 3569, 4244
branchwood 4404
chimaeras 6080
chromosomes 3044
competition 3454, 6055, 6403
crown 1785, 2890, 2891, 3536, 4802, 5405, 5924
dendroclimatology 4106
density of wood 3384
diseases
cankers 6657
foliage 5620
early and late wood 2984
enzymes 4974
fertilizers 651, 2742, 2743, 2744, 5878
fire effects 5494
flowering 1837, 1838
foliage 5924
forest litter 6479
forest statistics 5398, 5399
frost injury 5958, 5959
genetics 388, 1901, 4194, 4195, 4196, 6078, 6081, 6082
ground vegetation 374
growth regulators 2983, 2984
growth rings 2834
hares 5158
history 921
increment 181, 1696, 1697, 2834, 4234, 5259, 5398, 5405, 6403
injuries, snow 655
insect pests
Aspidiotus 5097
Contarinia 2658
Lepidoptera 496
Semanotus 1959, 5674
ionizing radiation 6080
light 2890, 2891, 4234
mixtures 4767
natural layering 4721
nursery management 5353
nutrient cycles 1762, 1763, 2932
photosynthesis 1825, 2890, 2891
plant nutrition 5459
plantations in, Shikoku 5906
plus trees 1909, 1910, 4447, 4448
pollen, analysis 921
pollination 6078
pruning 302, 1638, 2795, 2982, 2983, 2984, 6479
remote sensing 2878, 4848
seed, seed orchards 6078
seedlings 4974, 5353, 5459
selection forest 4232, 4233, 4234, 4235, 4236, 4237, 4238
silviculture 656, 4274, 4767
snow damage 1737, 1738, 1739, 2895, 2896, 3611, 4344, 4867, 5674
spacing 3454
stand characteristics 1700, 3533
stem forms 4802
Cryptomeria japonica *contd.*
street trees 2622
thermal relations of plants 5531
tree breeding 1909, 1910, 6078, 6080, 6084
underwood 2935
vegetative propagation 1825, 3384, 4767, 5341
voles 5739
volume determination 4304, 5402
volume tables 1682
weed control 1762, 5906
wildlife, damage by 546
wood, quality 302
wood anatomy 2982, 2983, 2984, 3384, 3741, 4404, 4966
yield tables 2862, 5419
Cryptoporus volvatus 6635
Cryptorhynchus lapathi 5296
Cryptosporiopsis abietina 3080
Cryptostictis cupressi 6657
Cryptostroma corticale 6659
Cuba
contour ridging 4122
forest litter 2319
insect pests 978
plantations 4122
silviculture 4123
site preparation 2187
Thaumatographa 3954
Cunninghamia konishii 4244
Cunninghamia lanceolata 3636, 4244
Cupressaceae 3905, 4197
Cupressocyparis leylandii 3089, 3953, 5369, 6657
bibliographies 4136
Cupressus 1013, 1447, 2725, 3905, 5603, 6657, 6658, 6665, 6666
Cupressus arizonica 1427, 3089, 5866, 6076
Cupressus arizonica arizonica 4203
Cupressus arizonica glabra 4203, 5866, 6076
Cupressus benthamii 2422
Cupressus dupreziana 6665
Cupressus funebris 4424
Cupressus glabra (see *Cupressus arizonica*)
Cupressus lindleyi 2422
Cupressus lusitanica 2154, 2422, 3726, 3900, 4424, 5415
Cupressus macrocarpa 84, 3089, 3901
Cupressus nevadensis (see *Cupressus arizonica*)
Cupressus sempervirens 1408, 3095, 3329, 3905, 4255, 5616, 6090, 6666
Cupressus torulosa 3089, 6665
Curatella americana 3724
Curculio 5146
Curculio glandium 3116
Curculio longidens 1421
Curculio nasicus 1421
Curculio orthorhynchus 1421
Curculio proboscideus 1421
Curculio sulcatulus 1421
Curculionidae 5661, 6496
Cutting (felling) (*see* Felling)
Cuttings (*see* Planting stock, vegetative propagation; Vegetative propagation)
Cybianthus 5549
Cybianthus deltatus 5549
Cybianthus fulvopulverulentus magnoliifolius 5549
Cycadales 425
Cycas revoluta 1913, 3755, 4457
Cydia amplana 3116
Cydia latiferreana 1421
Cydia milleniana 1434
Cydia splendana 3116
Cydia strobilella 981, 3942
Cylindrocarpon 91
Cylindrocarpon heteronema 5073
Cylindrocladium 6626
Cylindrocladium clavatum 3888, 6627
Cylindrocladium curvatum 1388
Cylindrocladium floridanum 1389
Cylindrocladium ilicicola 6627
Cylindrocladium parvum 1388, 1389
Cylindrocladium quinqueseptatum 1388
Cylindrocladium scoparium 1388, 1389, 3078, 5043
Cylindrocopturus eatoni 2561
Cynipidae 3972, 5122
Cyphomandra betacea 5499

Cyprus, forestry 5829
Cyrtopeltis tenuis 493

Cytisus purgans 2320
Cytisus scoparius 445, 1169, 3288, 6364
Cytology 398, 939, 1792, 2422, 2458, 3746, 4409, 6011, 6046 (*see also* Chromosomes; Pollen, cytology)
Cytospora 453, 3077, 3096
Cytospora abietis 462, 4480, 6663
Cytospora kunzei 1921
Czechoslovakia
agroforestry 4053
air pollution 1272, 1382, 5480
bark beetles 1444
biomass production 3550
Cephalcia abietis 4512
Coleophora laricella 6109
Crataegus 3031
diseases of trees 1921
exotics 5817
Fagus sylvatica 3360
fertilizers 224
fishing 2628
floodplains 3551
forest inventories 4837
fungus diseases 3077
Ips typographus 1446, 3196
land reclamation 4053
landscape 2628
Lophodermium pinastri 1933
mensuration 163, 170
mining wastelands 4053
mixtures 3551
mycorrhizas 1382
nature conservation 2626, 3282
nursery management 482, 3399
nutrient cycles 6465
ornamentals 3077, 5817, 5818
periodicals 595
planting 3452
planting stock 1612
pollution 3125
protection forest 2628
provenance trials 3360
Resseliella dizygomyzae 1452
roadside plantations 2346
Sacciphantes abietis 3125
Salix 555
salt injury 2346
Scolytidae 6719
site types 3550
soil conservation 555
soil types 224
species trials 5817, 5818
Steinernema kraussei 4512
virgin forest 3282
wildlife 1991
Dacrydium 4958
Dacrydium bidwillii 1806
Dacrydium cupressinum 793, 1793, 4958, 4990, 4996, 6555
Dacrydium laxifolium 4958
Dacryodes edulis 5499
Dactylocladus stenostachys 782
Dadra and Nagar Haveli
ethnobotany 6372
medicinal plants 6372
minor forest products 6372
Dahlbominus fuscipennis 6142
Dalbergia latifolia 2739
Dalbergia sissoo 2277, 2706, 3067, 3715, 4247, 4573, 5469, 6464
Dalbergia violacea 890
Dalbergieae 3774
Dama dama 1468
Damping off 482, 1391, 1398, 3079, 5042, 5044, 6626, 6627
Dams 2602, 2603, 4031, 5169
Dangerous or obstructive trees 1147, 5796
Daphniphyllum glaucescens 329
Daphniphyllum gracile 329
Daphniphyllum himalayense 329
Daphniphyllum macropodum humile 2840
Daphniphyllum teysmannii 1558
Dasineura 4687
Dasineura laricis 5128
Dasychira argentata 496
Dasychira axutha 1967
Dasylirion leiophyllum 1974
Dasyphyllum diacanthoides 6069
Data processing 4182
computer techniques 1135
Data processing *contd.*
fire control 2357
forest management 1719
forest resources 4653
measurement of roundwood 2204, 2248
private forestry 1120
remote sensing 1718
statistical methods 4653
Davidsonia pruriens 5798
Dead trees 1010, 2937, 5668
reviews 4988
Decay fungi
anatomy 958
assessment 6632
biology 2662, 4469, 4471
conferences 2662
control 2475, 6675
distribution 4463
ecology 407, 956, 2475, 2662, 3866, 3891, 4024, 5607, 6642
effect on wood 2479, 3893
insects with 5677
interactions with fungi 2475, 5049
laboratory tests 4471
methodology 2662
morphology 958
physiology 3090, 5057, 5607, 5677
reviews 3866
role of wounds 950, 3082, 6675
succession 3891
Decay in trees 2662, 3107, 5045, 6635 (*see also* Root and butt rots)
assessment 2473, 4636, 6633
detection 2666, 3084, 4636, 6633
effect on pests 1010, 1943
equipment 4636
identification 6642
methodology 6633
research 1010
resistance to 1010, 1396, 2479, 5056, 6638
role of wounds 1396, 3082
Decay in wood 2662
anatomy 3090
detection 2666
effect on wood chemistry 2938, 3090, 3656
laboratory tests 2939
Decayed wood 3068
in nutrient cycles 2937, 2938, 3656, 6215
reviews 4988
Decorative greenery and wreaths 3514, 3515
Decussocarpus nagi 222
Deer 3215, 3233, 4027
biology 1056, 1466, 1468, 3213, 3214, 3237, 4542, 5732, 5741, 6758, 6762
books 3278
damage by 76, 1467, 1988, 1996, 2587, 2591, 3228, 3237, 3937, 4008, 4020, 4026, 4547, 5148, 6166, 6769
ecology 1467, 1468, 3212, 3230, 4026, 4542, 4546, 5736
economics 4008
habitats 1055, 1466, 1467, 3229, 5733, 5736
management 535, 536, 537, 1059, 1466, 1468, 1723, 1980, 1981, 1988, 2577, 2578, 2587, 3229, 4009, 6164, 6763
protection against 2591, 3228, 4020, 4543, 6162, 6232
Defects in wood
checks, shakes and splits 4942
effect on outturn 6263
spiral grain 6079
wetwood 2374
Defoliation 343, 501, 1423, 2377, 3159, 3599, 4425, 4506, 4884, 5675, 6124, 6150, 6638
Deforestation 26, 569, 594, 821, 1073, 1100, 1869, 2022, 2332, 2673, 2684, 3256, 3313, 3322, 4137, 4145, 4173, 4559, 4571, 4577, 4608, 4613, 4641, 4790, 6229, 6806
Degraded forest and scrub 1482
Deladenus siricidicola 1972
Delaware, *Bursaphelenchus xylophilus* 4510
Delonix regia 3173, 3746
Dendrocalamus giganteus 4796
Dendrocalamus hamiltonii 1892, 1893
Dendrocalamus sahnii 3016
Dendrocalamus strictus 2751, 2815
Dendrochronology 4595, 5802
Abies 6117
Ailanthus 4593
Alberta 1298, 1300
California 1307, 1308, 1309
Colorado 1301
computer techniques 6812
conferences 1127
Europe 5801
forest fires 1297, 1298, 1299, 1300, 1301, 1302, 1305, 1306, 1307, 1308, 1309, 1313, 1496, 1497, 1498
history 5810
Idaho 1297
Israel 6201
Italy 5225
Juniperus 4596
Larix 1305
methodology 6812
Montana 1299, 1305
Nevada 3694
New Mexico 1497
New Zealand 5539
Oregon 1306
Pinus 1301, 1497, 2341, 3694, 6201, 6202
Pinus ponderosa 3265
Pseudotsuga 1305
Quercus 5801
reviews 2034
Sweden 1313
Thuja 1297
Tsuga 1297
Turkey 6202
Ulmus 4593
United Kingdom 4593, 4596
Utah 1302, 3265
Dendroclimatology 1124, 1691, 3764, 4104, 4105, 4106, 4162, 4593, 4996, 5810, 6201, 6202, 6338, 6444, 6494, 6811
Dendrocopos leucotos 2024
Dendroctonus 4472, 4947, 5251
Dendroctonus brevicomis 529, 1260, 2543, 4001, 5663, 5720, 6741
Dendroctonus frontalis
attractants 2535
frontalin 2537
bacteria with 519
biology 2535, 4503
books 1105
control 635, 636, 4528, 5695
damage by 1953
disease vectors 3166
forecasting 1953
parasites 3986, 5695
population dynamics 1014, 3162
predators 5695
prevention 528
resistance to 1017
simulation 1014
spread 2535
Dendroctonus jeffreyi 2540
Dendroctonus mexicanus 4528
Dendroctonus micans 3963, 4502, 4530, 5113, 5115, 5672
Dendroctonus ponderosae 1021, 1436, 1439, 1445, 1448, 2482, 2540, 3163, 3168, 3188, 3207, 3261, 3296, 3596, 3967, 3990, 5117, 5245, 5251, 6096, 6646
Dendroctonus pseudotsugae 2663, 4846, 6141
Dendroctonus rufipennis 2497, 4140, 5691, 6096
Dendroctonus simplex 2497, 6096
Dendroctonus terebrans 519, 1051
Dendroctonus valens 2478
Dendroica chrysoparia 3231
Dendrolimus punctatus 1967
Dendrolimus sibiricus 5099, 5138
Dendrolimus spectabilis 5100, 5141, 6120
Dendrolimus superans 506, 1967
Dendrolimus tabulaeformis 1967
Dendrology (*see* Silvicultural characters)
Dendrometers 2240, 2241, 4801, 6411 (*see also* Angle count; Diameter, measurements; Height measurement; Mensuration; Relascopes)
Dendrosoter suicatus 3986
Denmark
Abies nordmanniana 3514
Abies procera 3515
decorative greenery and wreaths 3514, 3515

Denmark *contd.*
drainage 3462
drought injury 2900
economics 1085, 4336, 4776
Fagus sylvatica 2798, 2802, 4776
fertilizers 3401, 4219
forest recreation 4077
forestry 5829
landscape 4096, 4097
legislation 4336
measurement of roundwood 2833
nutrient cycles 3679
ornamentals 4096, 4097
peatland 1355, 1356
Picea abies 2798
provenance trials 2223
Quercus robur 4775
Scolytus 3966
shelterbelts 3105
synecology 1355, 1356
taxation 4336
thinning 2794, 3488, 3489
tree breeding 3352, 4097
vegetation types 1357
wind damage 2899, 2900
yield forecasting 811
Yponomeuta padellus 501
Density of stands (*see* Stand characteristics, density)
Density of wood 303, 304
Betula alba 3858
breeding 932
economics 3058
Eucalyptus grandis 5485
genetics 930, 2462, 3058
juvenile wood 932, 5305, 5991
Pinus 5305
Pinus contorta 841
relation to growth factors 2351, 2961, 3384, 3858, 5485, 5503, 5991
relation to stand characteristics 305, 376, 401, 683, 1149, 1768, 1769, 2350, 6505
sampling 1192
Tilia japonica 5991
variations 401, 841, 930, 1149, 2350, 2462, 5305
Deraeocoris brevis 2505
Dermestes bicolor 4521
Dermestes erichsoni 4521
Dermestes lardarius 4521
Dermestes undulatus 4521
Desmodium gangeticum 2236
Desmodium heterocarpum 2236
Desmodium pulchellum 2236
Developing Countries
agroforestry 2712, 4572, 5232
biomass production 2664, 2708, 5855
books 613
community forestry 3252
computer techniques 4637
deforestation 1100
education 4184
energy resources 1, 2708, 4130, 5294
forest policy 613, 5232
forestry 4163
fuel plantations 2711, 2712, 5855
fuels 4130
international cooperation 2077, 2078
land clearance 3255
land use 2712
legislation 3333
linear plantations 3252
plantations 613
research 4184
Diadegma psilocorsis 2558
Dialium guineense 3746
Dialyanthera 2117, 2163
Diameter
equations 773, 775, 1677, 1681, 4314, 4792, 4810, 4827
estimation 1681, 2244
from stumps 773, 4305
measurements 147, 181, 1193, 1201, 1685, 2290, 3529, 3545, 4301, 4792, 6380
methodology 774
relation to crown 773, 1769, 3527, 3529, 4804
relation to stand characteristics 182
seasonal variation 4593
statistical methods 4800
variations 157, 182, 1685, 1769, 3522, 3649
Diaporthe cubensis 2461, 3907
Diaporthe medusae 4474
Dibotryon morbosum 5300
Dichapetalaceae 6481
Dichelia histrionana 5145
Dichomeris marginella 3949
Dicladocerus nearcticus 1430
Dictionaries 1511, 2051, 6219
Didymopanax morototoni 2116, 2117, 2163, 5358
Dieback 452, 453, 454, 455, 475, 1828, 1921, 1929, 2391, 2393, 2482, 3904, 4100, 4140, 4474, 4978, 4979, 5058, 5064, 5539, 5984, 6036, 6037, 6040, 6504
Dimorphandra mollis 890
Dimorphocalyx beddomei 3777
Dioon edule 917
Dioryctria 1052, 1330
Dioryctria amatella 2519, 3187, 5693
Dioryctria clarioralis 2519
Dioryctria disclusa 2519
Dioryctria merkeli 2519
Dioryctria mongolicella 2523
Dioryctria pygmaeella 2519
Dioryctria reniculelloides 1005, 3145
Dioryctria resinosella 6695
Dioryctria sylvestrella 494
Diospyros 6053
Diospyros ebenaster 3020
Diospyros fasciculosa 363
Diospyros lotus 363
Diospyros lotus brideliifolia 363
Diospyros melanoxylon 288, 344, 2234, 2909, 3345, 4410, 4790, 5093
Diospyros montana 1593
Diospyros paniculata 2262
Diospyros texana 2778
Diplacus aurantiacus 1339
Diplodia pinea 1387
Diplodina acerina 1409
Dipodomys spectabilis 6750
Diprion hutacharernae 6710
Diprion pini 1027, 1451, 3917
Diprion similis 1029, 3917, 6711
Diptera 3684
Dipterocarpaceae 364, 701, 825, 865, 942, 1177, 1698, 4780, 4781, 4804, 4828
books 1102, 1509, 4118
Dipterocarpus 4279
Dipterocarpus grandiflorus 3078, 5043
Dipterocarpus hispidus 5556
Dipterocarpus indicus 2262
Dipterocarpus turbinatus 773
Dipterocarpus zeylanicus 5556
Dirades adjutaria 1969
Direct sowing 1593, 4245, 5774
aerial methods 557
economics 3448
fertilizer application 5772, 5780
mulching 5772, 5780
protection 1611, 1614, 2179, 6332
seedbeds 1525, 6332
site preparation 96, 1525, 3517, 6332
statistical methods 1525
tools 6332
vs. planting 3445, 3446, 3448, 6383
Directories 3336
Discoloration in wood 1764
Diseases, plant disorders 5541
Diseases, occupational (*see* Health)
Diseases of trees 592, 1405, 4125
books 1500, 2640
control 458, 3096
damage by 451, 458, 1829, 3096, 3922, 3923, 4490, 6038
forecasting 2480
infection 3091
periodicals 2623
research 3114
resistance to 411, 1965, 3292, 3910
reviews 4452
statistical methods 6038
surveys 2480, 2623, 3118
symptoms 5082, 6036, 6038, 6039
Disholcaspis cinerosa 1030, 5124
Distribution 2433
Abies 6562
Alnus 1870
Bambuseae 4793
Barleria 2421
Ceratonia 1210
Cinnamomum 340
Crataegus 3031
Distribution *contd.*
Dioon 917
Diospyros 363
Dipterocarpus 4279
Ephedra 2432
Eucalyptus 2218
Eugenia 3776
Euonymus 3030
Fagaceae 923
Fagus 1316, 3808
Hopea 6547
Juglandaceae 1872
Larix 127
Lophia 2429
Machilus 340
Malus 6054
Myrica 340
Olea 1210
Picea 6562
Pinus 2434, 2644, 3797, 4272, 4998, 5563
Pittosporum 6062
Quercus 340, 1210, 2801, 2973, 6060, 6560
Salix 6061
Symplocus 6561
Tamarix 6059
Taxus 3830
Ditches 3463, 6776
Ditula angustiorana 5654
Documentation and information services (*see* Information services)
Dolichomitus (see *Ephialtes*)
Dominican Republic
forestry 2099
vegetation types 2099
Donaren scarifier 1663, 4282
Dormancy 432
buds 340, 940, 1824, 1826, 2389, 2390, 5500
methodology 2389
seed 2140, 2402, 4695, 5543
systems analysis 2390
Dothiorella eucalypti 3104
Dothistroma pini (see *Scirrhia pini*)
Dothistroma septosporum 468
Drainage 109, 300, 380, 721, 747, 1168, 1584, 1615, 1645, 2188, 2593, 3404, 3462, 3463, 3565, 4280, 5903, 6022, 6337, 6338, 6339, 6340, 6341, 6435, 6774, 6776
Dredgings 218
Drepanosiphinae 3936
Drosophilidae 6139
Drought 3403, 3645, 5247, 5539
Drought injury 549, 838, 2188, 2897, 2900, 2901, 3593, 5612, 5977, 6447
Drought resistance 6, 100, 1340, 1553, 1752, 1754, 1755, 1827, 2716, 2931, 3348, 3642, 3643, 5453, 5977
books 2625
Dryobalanops aromatica 5026, 5890
Drypetes pendula 363
Ducampopinus krempfii 5544
Dunes 445, 1347, 1478, 3833, 4052
Duranta plumieri 3742
Durio zibethinus 2907, 2908, 5499
Dyera costulata 1596, 4712
Dyes 2238
Dysaphis 2508
Dysoxylum 1843
Early and late wood 2981, 2982, 2984, 3764
Earomyia 4687
Eastern Europe, vegetation 1110
Eastern States (USA), provenance trials 2127
Eccentricity, stem (*see* Stem forms, eccentricities)
Echinodontium tinctorium 2475, 3082
Economics 4145, 4769, 6244
agroforestry 568, 2015, 5180, 5181, 5206, 6801, 6802
biomass production 2709
books 589, 1101
computer techniques 612, 3334, 6440
conferences 761, 766, 767, 768, 4657
economic theories 614, 832, 2301, 4165, 4859
equipment 2806
forecasts 617, 810, 832, 2301, 3147, 4862
inflation 4862
machines 2806

Economics *contd.*
management 198, 589, 597, 829, 833, 1207, 1208, 1479, 1725, 2303, 2304, 2657, 2885, 3366, 4335, 4829, 4830
mathematical methods 829
methodology 575, 1730, 2305, 5432
multiple use 575, 834, 1728, 5788
politics 212, 766, 2689, 4178, 4336, 5285
private forestry 567, 766, 1730, 2096, 2882, 4172, 4178, 4180, 4337, 4338, 4860, 4861, 5236, 5237, 6438, 6441
profitability 2305, 2881, 3555, 3606, 4307, 4337, 4775, 4776, 4830, 4860, 4861, 5431, 5434
research 209, 4667, 5657
reviews 615
silviculture 213, 831, 1085, 1727, 2689, 2709, 2802, 2883, 4338, 4714, 5434
simulation 1725, 4335, 4862, 6440
sociology 210, 2096, 2104, 2657, 4678, 5180
vs. agriculture 1085, 2599
Ectomyelois ceratoniae 3117
Ecuador
agroforestry 5179
legislation 4660
nature conservation 4660
shifting cultivation 5179
Edible species 4294 (*see also* Fruit, edible species; Fungi, edible species; Nuts)
books 2634
reviews 5394
Education 35, 637, 640, 1145, 1546, 1548, 2031, 2110, 2111, 2112, 3338, 4184, 4185, 4583, 4666, 4668, 5280, 5290, 6227
Eglerodendron pariry 5506
Egypt
Eucalyptus camaldulensis 2218
fungi 1391, 1392
Phoracantha semipunctata 3161, 3173
trees 3173
vegetation, history 4604
Eichleriella macrospora 5058
Elachertus proteoteratis 2558
Elachertus rhyacioniae 6695
Elaeagnus angustifolia 433, 444, 1755, 2346, 6516
Elaeagnus commutata 1378
Elaeagnus umbellata 444, 445, 556, 3069
Elasmopalpus lignosellus 1427
Elatobium abietinum 6722
Electrical phenomena in trees 42, 339, 384, 905, 3084, 5064, 5086, 5530, 5532, 5582, 6071, 6638
Elephants 4006
Eligma narcissus indica 4500
Eliomys quercinus 2515
Elytropappus rhinocerotis 1362
Embryology 2394, 2395
Encarsia berlesei 6681
Encelia farinosa 1296
Endocronartium 5623
Endocronartium harknessii 478, 1387, 5615
Endothia havanensis 966
Energy relations 41, 443, 803, 1209, 1364, 2707, 2964, 3345, 3827, 6532
Energy resources 1, 172, 646, 648, 2695, 2696, 2697, 2699, 2813, 3336, 4165, 4189, 4190, 4383, 4384
bibliographies 11, 4130
books 4108, 5813
British Columbia 3343
conferences 4137, 5254
Developing Countries 2708, 4130, 5294
India 2704
Kansas 2709
Kenya 4680
Michigan 3344
periodicals 5803
Philippines 5295
Sudan 4613
USA 4142, 4188, 5813
Wisconsin 3344
England
Acer pseudoplatanus 5023
air pollution 6495, 6502
Andricus quercuscalicis 5676
Armillaria 6631
Cryptostroma corticale 6659
Euproctis chrysorrhoea 6110
farm woodlands 6191
Gnomonia platani 5989
England *contd.*
palaeoecology 6557, 6558
Phlebia 6642
private forestry 5236, 5237
salt injury 5989, 6504
street trees 6504
urban and suburban forestry 6631, 6808
Xyloterus lineatus 6720
Englerella 5509
Englerella speciosa 5509
Ennomos subsignarius 5709
Enoclerus lecontei 529
Entada gigas 370
Entamias 5615
Enterobacter agglomerans 519
Enterolobium cyclocarpum 1831, 1832, 4681, 4787, 5066
Entoloma sericeum 3073
Entomology
bibliographies 2648, 2649
United Kingdom 488
Entomophthora egressa 3154
Enzymes
conferences 1131
enzyme inhibitors 5334
in animals 1424, 5677, 6159, 6706
in bacteria 434
in fungi 4488, 5029, 5677
in plants 293, 396, 404, 434, 1818, 2387, 2460, 3305, 3766, 4974, 5012, 5334
in soil 560, 1586, 4896
methodology 3305
uses 4488
Eothenomys smithi 5739
Ephedra 2432
Ephedra equisetina 3414
Ephialtes ontario 3154
Epiblema nigricana 5145
Epicoccum purpurascens 4464, 4466
Epicormics 2976, 3440
Epidermis 1332, 2371, 2989, 3750, 4501, 5475
Epiphytes 863, 2949
Epirrita autumnata 4497, 5678
Epuraea lengi 1404
Equatorial Guinea, legislation 4661
Equidae 4006
Equus caballus 1831, 1832
Erannis defoliaria 504, 5103
Erannis jacobsoni 6124
Eremoluma 5514
Eremophila 1976
Eremotermes 2503
Erethizon dorsatum 5615
Erica 1296
Erica arborea 2369
Erica umbellata 2314
Ericaceae 5038
Ericales 5033
Eriobotrya japonica 5499
Eriocampa juglandis 1026
Eriogonum cinereum 1296
Eriogonum fasciculatum 1296
Eriophyidae 5681
Ernobius bicolor 5669
Erosion 77, 2684, 3289, 4058, 4111, 4440, 4978, 5174, 5962, 6783 (*see also* Clear felling, effect on erosion; Logging, relation to erosion; Roads, erosion; Streams, erosion)
assessment 864, 2006, 2611, 4038, 4394, 5172, 5173, 6785
bibliographies 594
research 1472
simulation 4041
water 550, 655, 2658, 4033, 4034, 4036, 4037, 4042, 4063, 4556, 4557, 4558, 5171, 5175, 5176, 6178, 6784
wind 3833, 4352, 5175
Erosion control 553, 557, 655, 2103, 2228, 4556, 4557, 4558, 5171, 5173, 5175, 5752, 5766, 5767, 5768, 5769, 6784
by shrubs 554
by trees 558, 1160, 2006, 2962, 4036, 4037, 4039, 4555, 4698, 5170, 5179, 6177
books 587
Erwinia amylovora 3105
Erwinia cancerogena 1921
Erwinia salicis 474, 4485, 5080
Erynia 6730
Erysiphales 5603
Erythrina caffra 2496
Erythrina crista-galli 3756
Erythrina suberosa 235
Erythrina vogelii 3746
Erythroxylum steyermarkii 3013
Erythroxylum undulatum 3013
Erythroxylum williamsii 3013
Eschweilera jarana 2163
Essential oils 1798, 1799, 1800, 2736, 4417
Estonian SSR
drainage 3565
fertilizers 3404
genetics, variations 393
growing stock 3565
nursery management 2762
Picea abies 393
site types 3404
Ethiopia, pollen 4
Ethnobotany 4784, 4785, 6372
Etiella zinckenella 3117
Eucallipterus tiliae 2556, 5094
Eucalyptus 365, 2217, 4147
biomass production 763, 3547, 4244
chemical constituents of plants 1425, 3754
computer techniques 5406
coppice 715
diseases 1388
cankers 3907
dieback 1828
foliage 470, 471, 3912, 5619
roots 954, 1397, 5050
seedlings 6627
fertilizers 5856, 5883
foliage, chemistry 1000
forest inventories 2293
forest litter 2941, 3630, 3658
frost resistance 1806
fuel plantations 2705, 2706
fuels 4777
hydrology 6781
increment 140, 1695
insect pests 5540
Chrysophtharta 5114
Coleoptera 980
Coptotermes 3120
Isoptera 1940
Lepidoptera 1000
Lophyrotoma 2552
Nasutitermes 3120
Odontotermes 1425
Phoracantha 3161, 3174, 6701, 6706
interplanting with, crops 5201
juvenility 5335
keys 2989
leaves, anatomy 2989, 5662
mycorrhizas 1384, 6607
nursery management 4774, 5894
nutrient cycles 2941, 4914, 5460
nutrient deficiencies 6484
ornamentals 5894
palaeoecology 1865
physical properties of wood 938
plant disorders 5540
plant nutrition 2944, 3677, 5540, 6485
plant water relations 3645, 5540
plantations in
arid regions 3362
Brazil 2104
France 5312
Honduras 2599
New Zealand 1384, 4773
Paraguay 2102
Senegal 657
United Kingdom 938
Zimbabwe 4777
pollen, viability 6041
provenance trials 2129
rabbits 4539
roots, physiology 5050
rotations 2277
seed 4465
collection 6293
diseases 4693
treatments 3378
silviculture 4773, 4774
snow damage 6449
soil toxicity 5312
soil water 2322
soils 1361
species trials 2129, 4774, 6270
stand characteristics 3590
taxonomy 1842, 2989
temperature 1695

Eucalyptus *contd.*
tree breeding 6595
valuation 3281
vegetation types 1361, 3821
vegetative propagation 5335
wood anatomy 938, 1328
Eucalyptus alba 982, 2989, 4200, 5319, 6293
Eucalyptus bancroftii 6633
Eucalyptus behriana 1361
Eucalyptus beyeri 2414
Eucalyptus brassiana 2412, 3852, 6293
Eucalyptus brockwayi 2125
Eucalyptus cadambae 6270
Eucalyptus caesia 4630
Eucalyptus calophylla 966, 3645
Eucalyptus camaldulensis
afforestation 1552
biomass production, for energy 2841
coppicing 2124
distribution 2218
ecology 381
fertilizers 2152
foliage, diseases 3104
frost resistance 5865
genetics 3852, 5592, 5865
increment 5916
insect pests, *Phoracantha* 3173
leaves, anatomy 2989
plantations in
Egypt 2218
Israel 5916
plantations on, polluted sites 1167
planting 4199
provenance trials 662, 2124, 5865
seed
diseases 3104
seed orchards 3104
shelterbelts 3248, 4564
silviculture 5916
soils 2315
species trials 2125, 4681
vegetation types 381
yield tables 1199
Eucalyptus camaldulensis* × *E. tereticornis 3065
Eucalyptus citriodora 2154, 2462, 2989, 3977, 4200, 4573, 5041, 5334, 5469, 5686, 6270
Eucalyptus clelandii 2125
Eucalyptus cloeziana 5406
Eucalyptus cordata 5312
Eucalyptus cornuta 2125
Eucalyptus cyanophylla 2410
Eucalyptus dalrympleana 1911, 2841, 4302, 6449
Eucalyptus dalrympleana* × *E. viminalis 1911
Eucalyptus dealbata 6633
Eucalyptus deanei 3547
Eucalyptus deglupta 719, 1328, 2500, 5319, 5415, 6280, 6281, 6283
Eucalyptus delegatensis 950, 1384, 1911, 6449
Eucalyptus dendromorpha 2415
Eucalyptus diversicolor 31, 4541, 6553
Eucalyptus diversifolia 1361
Eucalyptus dives 4302
Eucalyptus drepanophylla 3852
Eucalyptus dumosa 1361, 2736
Eucalyptus dundasii 2125
Eucalyptus elata 5406
Eucalyptus exserta 3852, 4200
Eucalyptus fastigata 1384, 5406
Eucalyptus ficifolia 5877
Eucalyptus fraseri 2418
Eucalyptus gigantea 84, 453
Eucalyptus gillenii 2419
Eucalyptus globulus
biomass production 3409, 3547
chemical constituents of plants 4420
coppicing 3464
diseases, foliage 470
fertilizers 2154, 3409
forest litter 4883
frost resistance 1911
increment 5415
insect pests, *Phoracantha* 2548
nursery management 84, 2162
plant nutrition 3409
plantations in, France 5312
soils 2316
tree breeding 1911
Eucalyptus globulus bicostata 5064, 5530, 6437
Eucalyptus goniocalyx 948
Eucalyptus grandis 6270
computer techniques 5406
density of wood 2350
diseases
cankers 2461
roots 3894
rust diseases 461
exploitable age or size 4307
fertilizers 2154, 2157, 2182, 3398, 3408, 4225
forest inventories 2291, 2292
forest litter, nutrients 3658
fuel plantations 4192
genetics 2461, 3856, 5587
hybrids 2295
insect pests
Noctuidae 2531
Phoracantha 3958, 6129
Sabulodes 3948
nematodes 3977
nursery management 2162, 6627
nutrient cycles 3659
plant nutrition 652, 3398
plantations in, South East Brazil 2294, 2295, 3658, 3659, 3948, 3977
planting stock 2182
provenance trials 2129, 4192
rotations 4307
seed 4465
silviculture 4777, 5485
soil chemistry 3802
species trials 4192
stand characteristics 2350
stem forms, eccentricities 3450
thinning 3494
tree breeding 2461, 3856, 5587
vegetative propagation 5587
volume determination, equations 3570
yield tables 192
Eucalyptus gunnii 1911, 5312
Eucalyptus incrassata 1325, 1361
Eucalyptus intermedia 4959
Eucalyptus intertexta 2125, 4200
Eucalyptus kondininensis 2125
Eucalyptus leptophleba 6293
Eucalyptus lesouefii 2125
Eucalyptus loxophleba 2125
Eucalyptus macarthuri 1911, 5406
Eucalyptus macrorhyncha 948, 4302, 6633
Eucalyptus maculata 6129
Eucalyptus mannensis 2404
Eucalyptus marginata 31, 966, 2469, 3083, 3645, 3877, 5337, 6641, 6698
Eucalyptus melanophloia 2552, 4417
Eucalyptus microcorys 3084
Eucalyptus microtheca 2989, 3852, 5592
Eucalyptus miniata 5798
***Eucalyptus* 'Mysore hybrid'** 715, 2751
Eucalyptus nitens 1384, 3547, 5406
Eucalyptus obliqua 958, 2944, 3677, 5064, 5530, 6437, 6484, 6485
Eucalyptus occidentalis 2125, 5917
Eucalyptus oleosa 1361, 2125
Eucalyptus oxymitra 2405
Eucalyptus pachyphylla 2406
Eucalyptus paniculata 2275
Eucalyptus patens 3645
Eucalyptus pauciflora 1911, 6449
Eucalyptus pilularis 2936, 3802
Eucalyptus pimpiniana 2416
Eucalyptus populnea 1976, 2125, 3821
Eucalyptus propinqua 305
Eucalyptus ptychocarpa 5798
Eucalyptus pumila 2409
Eucalyptus racemosa 2989
Eucalyptus regnans 1384, 1438, 1911
Eucalyptus robusta 2319, 3378
Eucalyptus rudis 2989, 3645
Eucalyptus saligna 461, 1384, 2157, 2275, 3544, 3658, 3948, 3977, 4192, 4465, 5883
Eucalyptus saxatilis 2411
Eucalyptus sessilis 2407
Eucalyptus sideroxylon 6633
Eucalyptus sieberi 953
Eucalyptus smithii 3547
Eucalyptus st-johnii 5312
Eucalyptus stricklandii 2125
Eucalyptus tereticornis 715, 1685, 2851, 2989, 3064, 3442, 3526, 3676, 3852, 4200, 4451, 4465, 6293, 6627
Eucalyptus torelliana 2989, 4200
Eucalyptus trivalvis 2408
Eucalyptus unialata 1911
Eucalyptus urophylla 829, 2413, 3852, 3977, 5319, 6655
Eucalyptus viminalis 1911, 2718, 2841, 3547, 5530, 6437
Eucalyptus wandoo 966, 6470
Eucalyptus yalatensis 2417
Eucommia ulmoides 1569, 1670
Eucosma sonomana 1036
Eugeissona tristis 115
Eugenia 2627, 3011
Eugenia clavifolia 2627
Eugenia discifera 3776
Eugenia jambos 5499
Eugenia malaccensis 5499
Eugenia uniflora 5499
Eulachnus 1426, 3126
Eulachnus rileyi 1940, 6146
Euonymus europaeus 3030
Euonymus japonicus 4424
Eupatorium capillifolium 375
Eupatorium odoratum 2596
Euphorbia acanthothamnos 1296
Euphorbia antisyphilitica 4297, 4798
Euphorbiaceae 327
Euproctis chrysorrhoea 1038, 6110
Euproctis similis 5640
Eurhodope advenella 2518
Europe
air pollution 4318, 4371, 5478
biomass production 1603
Canis lupus 4014
Ceratocystis fagacearum 3085
Ceratocystis ulmi 5246
Coniferae 4125
coppice 1603
dendrochronology 2034, 5801
dieback 2393
Fagus sylvatica 1316
fire danger 2355
fire prevention 2355
forest fires 1521, 1771, 2360
forest management 3317, 4318
forestry 5269
hunting 1995
labour 2114
machines 5920
mountain forests 2678
Mustela putorius 5159
nature conservation 2586
plant disorders 2393
Quercus 2034, 2671
Quercus robur 6560
rust diseases 3905
synecology 4993
thinning 2282
tree breeding 4371
vegetation 4993
virgin forest 3317
wilts 3085
wind damage 4345
yield regulation 2282
European Communities
forest policy 4170
forestry 4170
information services 5289
measurement of roundwood 1676
standards, planting stock 2221
Europhium clavigerum 6646
Eurya 4825
Eurytoma pini 993
Eusideroxylon zwageri 1177
Eutachyptera psidii 5652
Eutamias townsendii 1469
Eutectona machaeralis 495, 3208
Eutrapela clemataria 5709
Eutypa acharii 5023
Euura amerinae 1032
Evaporation 5807, 6538
measurements 2601, 4357
Evapotranspiration 231, 232, 653, 1216, 1219, 3608, 3646, 5975, 6176, 6470, 6778, 6781
measurements 227, 228, 2601
Evolution 1908, 2397, 5522
Exenterus abruptorius 1042, 6142
Exochomus quadripustulatus 5670
Exotics 50, 365, 661, 665, 2019, 2119, 2725, 4193, 4197, 4592, 4681, 4682, 4953, 5817, 6264
Experimental design 17, 772, 1524

Exploitable age or size 3307, 4307, 4829
Extension 619, 700, 2096, 3337, 4643, 5211, 6228
Exudation (*see also* Resins)
Eysenhardtia 3017
Eysenhardtia orthocarpa tenuifolia 3017
Eysenhardtia polystachia 4787
Eysenhardtia texana 6285
Fagaceae 923
Fagaceoxylon ostryopsoides 1796
Fagus 656, 723, 2949, 4491, 4694, 6401, 6557
Fagus americana 1855
Fagus crenata 15, 223, 316, 317, 383, 923, 1607, 1814, 2380, 3441, 3529, 3768, 3834, 4396, 4411, 5317, 6155, 6559
Fagus grandifolia
- bark 1912
- biomass production 6397
- clear felling 3423
- control 4735
- diseases, bark 969
- epicormics 2976
- fertilizers 4707
- forest litter 846, 5443
- forest resources 1540
- fungi 1912
- ground vegetation 4445
- herbicides 4735
- insect pests
  - *Cryptococcus* 4495
  - Hemiptera 969
  - Lepidoptera 1008
- light, light relations 4977
- natural regeneration 1604, 3440
- nutrient cycles 6397
- stand characteristics, structure 1606
- stem forms 4300
- synecology 1884, 6070
- transpiration 4977
- vegetation types 6572
- volume tables 4300
- weight determination 2263

Fagus orientalis 351, 578, 913, 3938, 6050, 6376, 6401
Fagus sylvatica
- acid rain 4368, 6524
- afforestation 2606, 5762
- air pollution 862, 1323, 4936
- artificial regeneration 1319, 3449
- bark 163, 1318
- birds 2580
- books 1112
- botany 1315
- browsing damage 2587
- diameter, measurements 1201
- diseases 1323, 6039
  - bark 3598
- distribution 1316, 3808
- drainage 2188
- economics 2305, 2802
- fertilizers 2156
- foliage 1318, 6405
- forest influences on, soils 4349, 4354
- forest litter 1747, 3637, 5568
- forest management 1324, 2279, 2281
- frost injury 5440
- fungicides 6675
- genetics 3853
- grazing 549
- history 1316
- increment 185, 2266, 2798, 6405, 6416
- insect pests 1323
  - *Cryptococcus* 2510
  - *Ips* 2568
  - *Xyloterus* 2568
- light 5439
- mixtures 2211, 2796, 3498, 5483
- mycorrhizas 1318, 1380, 1918, 5035, 5595
- natural regeneration 185, 1319, 3227, 3434, 4351, 5359
- nutrient cycles 856, 3679
- nutrient deficiencies 3400
- photosynthesis 1318, 4936
- pigs 2585
- plant anatomy 1321
- plant disorders 2392
- plant ecology 1317, 2428
- plant nutrition 1918
- plant water relations 2188
- plantations in, Poland 3498
- plantations on, clay soils 2798

Fagus sylvatica *contd.*
- planting 2606
- planting stock 2165
- pollen, analysis 3808
- protection forest 2605
- provenance trials 3360
- roots 1318, 4925, 6524
- rotations 3575
- salt injury 1766
- sap 2383
- seed, storage 4694
- silvicultural conversion 6398
- silviculture 1319, 2089, 4776
- site class assessment 2264, 3634, 6398
- soil biology 3637
- soil chemistry 5456
- soil fertility 856
- soils 5985
- spacing 3449
- stand characteristics 185, 772, 3503, 3545, 4837, 6405, 6416
- succession 6568
- taxonomy 1315, 6050
- thinning 2209, 2281, 2789, 3485, 3488, 6405
- tree breeding 1322
- vegetation types 185, 1878, 2626, 3809, 3810, 6398, 6566
- vegetative propagation, shoot cuttings 6297
- volume tables 1320, 2830, 4306
- wildlife, damage by 549, 1323
- wood anatomy 2373
- wounds 6675
- yield forecasting 788, 6398
- yield tables 1320

Fagus sylvatica podolica 6050
Fagus sylvatica quercoides 1850
Falcatifolium taxoides 1937
Falco sparverius 4536
Falkland Islands
- afforestation 673
- choice of species 673

FAO 4641
Faramea berryi 2424
Farm woodlands 567, 1731, 1898, 2023, 2096, 2261, 2614, 2615, 6186, 6191
Feijoa sellowiana 5499
Felling
- books 1108
- computer techniques 3576
- damage 4231
- organization of work 196, 200
- statistical methods 200
- theoretical aspects 3307, 3575
- work studies 4754, 4756
- yield regulation 147, 3576

Felling, types of (*see* Silvicultural systems)
Fences, books 7
Ferns 3273, 3444, 4459, 4991, 6625
Feronia limonia 1666
Fertilization (in reproduction) (*see* Pollination, fertilization)
Fertilizer application 277, 1524, 4257, 4710, 5383, 5903
- aerial application 77, 80, 2004, 3406
- conferences 652
- economics 41, 77, 213, 1589, 1726, 1727, 3396, 4710
- effect on abiotic injuries 289, 1279, 3395, 3402
- effect on diseases 955, 1407, 3401, 5350
- effect on ecology 1625, 1647, 2148, 3389, 3404, 5569
- effect on flowering 5349
- effect on foliage 289, 690, 691, 1590, 1760, 1993, 2151, 2155, 2323, 2744, 2750, 3389, 3407, 3675, 4707, 5345, 6307, 6308, 6309
- effect on hardiness 3395
- effect on mycorrhizas 413, 1920, 2159, 3072, 3867, 3868, 3875, 4711, 5035, 6606
- effect on pests 1993, 3235, 5683
- effect on roots 1166, 3245, 6306
- effect on seed production 3404, 5342
- effect on soil biology 695, 1586, 3639, 5346, 5885, 6606, 6716
- effect on stand structure 927, 1650
- effect on stem forms 684, 1694, 3524, 3525, 5348
- effect on water composition and quality 2001, 2004, 2746, 5879

Fertilizer application *contd.*
- effect on weeds 2190
- effect on wood 683, 693, 869, 870, 871, 1660, 3394
- fertilizer requirement determination 75, 83, 1156, 2752, 3404, 3405, 3680, 4225, 4360, 5351
- foliar application 804
- leaching 80, 1586, 2754
- methodology 4360
- nursery stock 89, 1588, 1597, 2152, 2153, 2159, 2167, 2169, 2755, 3390, 3399, 3411, 3416, 3417, 3867, 4706, 4711, 5353, 5683
- nutrition physiology 652, 955, 2154, 2754, 3394, 4818, 5887, 5980, 6478
- persistence 80, 82, 686, 2149, 2210
- relation to age 2151
- relation to hydrology 2005
- relation to soils 77, 82, 224, 1582, 1586, 1587, 1591, 2011, 2155, 2156, 2169, 2744, 2748, 2753, 2915, 2934, 3245, 3391, 3401, 3632, 4220, 4256, 4709, 4910, 5348, 5878, 5979, 6308
- simulation 4710
- statistical methods 682, 2150, 3405, 4708
- toxicity 2755, 3407, 5479, 5778
- with cultivation 1136, 1650, 3693
- with thinning 689, 691, 1655, 1656, 2744, 2748, 2792, 3396, 4710, 5878, 5918

Fertilizers 2680, 3403, 4795
- ammonium sulphate 5345
- animal products 2747, 3394, 3417, 4256
- B 1582, 1760, 2157, 5342, 6309
- basic slag 2155
- Ca 289, 695, 1591, 2156, 2190, 2741, 2743, 2744, 2924, 3072, 3245, 3395, 3398, 3401, 3675, 3693, 4220, 4225, 4256, 4707, 5035, 5966, 6308
- calcium ammonium nitrate 3407
- Cu 1582, 1760, 3390, 3400, 3868, 5346
- industrial wastes 2233, 4220
- K 76, 78, 79, 81, 89, 289, 752, 1155, 1164, 2741, 3398, 3406, 3687, 4709, 5348, 6308, 6606
- Mg 1650, 2744, 3687, 4220, 5342, 6606
- minor elements 2152, 4273, 4905, 5348, 6309
- Mn 1582
- Mo 3877
- nitrogen 76, 78, 79, 80, 81, 89, 413, 415, 694, 748, 752, 869, 870, 871, 1155, 1156, 1164, 1583, 1585, 1625, 1656, 1660, 1694, 1914, 1993, 2004, 2011, 2155, 2190, 2233, 2741, 2750, 2753, 2754, 2755, 3221, 3398, 3406, 3409, 3411, 3639, 3675, 4221, 4223, 4708, 4709, 4710, 4910, 5348, 5966, 5979, 6307, 6308, 6348, 6606
- NPK 289, 3693, 3867, 5349, 5350, 5383
  - *Abies* 2658, 5343
  - *Acer* 2749, 4707
  - *Alnus* 5880, 5884
  - *Betula* 74, 1584, 1655, 2749, 4707, 5880
  - *Castanea* 5342
  - *Chamaecyparis* 77, 4888
  - *Cryptomeria* 2742, 2743, 2744, 5878
  - *Eucalyptus* 2157, 2182, 3408, 4225, 5883
  - *Fagus* 4707, 5035
  - *Phyllostachys* 4792
  - *Picea* 74, 79, 683, 684, 685, 686, 687, 688, 1584, 2148, 3395, 4222, 4224, 4359, 5347
  - *Pinus* 74, 79, 692, 695, 955, 1407, 1587, 1591, 1645, 1650, 2151, 2153, 2159, 2752, 2780, 2792, 3072, 3235, 3392, 3404, 4273, 4706, 5346, 5347, 5351, 5772, 5773, 5882
  - *Populus* 5886, 5918
  - *Quercus* 695, 5772
  - *Sophora* 1920
  - *Tilia* 2749
  - *Ulmus* 2749
- organic compounds 3875 (*see also* Composts)

Fertilizers *contd.*
P 76, 78, 81, 82, 89, 289, 413, 694, 748, 1155, 1164, 1588, 1625, 1656, 1979, 2155, 2741, 2748, 2750, 3245, 3396, 3397, 3398, 3409, 3639, 3675, 3680, 3868, 3877, 4223, 4254, 4709, 4710, 5348, 5883, 6308, 6606
plant products 1591, 1898, 2751, 3417, 4711, 5885
S 2934, 5479
sewage 1581, 2158, 2746, 3389, 3390, 3391, 3393, 3417, 4219, 5777, 5778
slow release fertilizers 2159, 3418, 5779, 5780
urea 75, 79, 689, 690, 691, 1059, 1586, 1589, 1979, 2001, 2149, 2934, 3407, 5344
Zn 1582, 2157
Ficedula hypoleuca 3234
Ficus, reviews 2396, 2397
Ficus aurofolia 3173
Ficus bengalensis 1947, 3715
Ficus benjamina 247
Ficus carica 3386
Ficus cotinifolia 4787
Ficus glomerata 3124, 4416
Ficus hookeri 4416
Ficus infectoria 4416
Ficus insipida 911
Ficus nervosa 6391
Ficus padifolia 4787
Ficus religiosa 4416
Ficus roxburghii 4416
Ficus rumphii 5469
Ficus yoponensis 911
Fiji, insect pests 5661
Finance 23
conferences 6223
investments 830, 833, 835, 2884, 4172, 4335, 4862, 5434, 6223
simulation 4862
Financial yield 211
Finland
afforestation 1164, 1533, 1651
air pollution 1230, 1237, 1241, 1246, 2334, 5475
effect on ecology 1244
Aradus cinnamomeus 3123, 6685
bark beetles, control 532
Betula pendula 1611
bibliographies 2
biomass production 1603, 4312
bogs 1645
browsing damage 1993
catchment areas 6776
conferences 109
coppice 1603
decay in trees 2473
deer 1980, 1981, 2577, 2578
direct sowing 2179, 6332
drainage 109, 721, 2593, 6327, 6774, 6776
economics 209, 1727, 1728, 1729, 4165, 6438, 6440
education 1546
extension 4643
farm woodlands 1731
fertilizers 79, 748, 1582, 1583, 1587, 1588, 1589, 1590, 1647, 1655, 1993, 6307, 6309
finance 23
forest inventories 1713, 1981
forest management 23, 197
forest policy 24
forest recreation 574, 1091, 2028
forestry 21, 24, 1514, 1534, 4165, 6240
forestry development 6240
frost injury 2309
fuel plantations 646
grazing 1981
herbicides 5373, 6353
history 1534
hydrology 2005
Hylobius 6709
information services 1137
insect pests 1561, 2544, 4497, 5105
Ips acuminatus 1022
irrigation 1647
labour 1117, 4186, 4643
land use 570
landscape 580, 581
Lepidoptera 3136
lichens 1980
Finland *contd.*
Lophodermium 1932
mapping 1720
mixtures 1640, 1641
natural regeneration 99, 1584, 6383
nature conservation 2024
nematodes 6716
Neodiprion sertifer 1025
nursery management 1597, 1961, 2161, 6656
nutrient deficiencies, B 1220, 1221
peat 1214, 1221
peatland 721, 1584, 1655, 1760, 2005, 3816, 6327, 6453
Picea abies 47, 93, 6327
Pinus contorta 6418
Pinus sylvestris 93, 99, 1559, 1644, 1645, 1652, 1653, 1760, 1769, 1904, 2317, 4312, 6327, 6331, 6383, 6414, 6417, 6418, 6588
plantations 93, 1644, 1829
planting stock 1588, 1613
ploughing 1600
Populus 2
prices 6442
private forestry 1651, 1731, 6438
protection forest 1648
provenance trials 47, 304, 6588
Quercus robur 6560
research 209, 1117, 1141, 6249
resin tapping 1671
reviews 1534
root and butt rots 1925
rural economy 6240
seed 1559, 6588
production 53
seed orchards 58
silvicultural systems 581
silviculture 1727
site class assessment 1704
site preparation 1619, 1646
snow 2309
societies 4643
soil fertility 1214
soil physics 6454
soil types, bog soils 1155
stand characteristics 1527, 1769
stumpage value and fees 5955
succession 1600
taxation 34
thinning 735, 748, 1630, 1631, 1632, 1633, 1634, 1655, 1729, 6362
tree breeding 1903, 2456, 2457, 6588
urban and suburban forestry 570, 2028
valuation 6442
vegetation types 1713
vegetative propagation 2141, 2734
wages 4186
water composition and quality 6774
water pollution 300
weed control 120
weight tables 1768
wildlife, damage by 76
wind damage 1736
yield tables 1693
Yponomeuta evonymellus 2521
Yponomeuta padellus 5098
Fiorinia externa 987
Fire control 1286, 1521, 2358, 4945 (*see also* Controlled burning)
bibliographies 3721
books 5806
computer techniques 5994
conferences 2357
economics 6512
planning 875, 1283, 1287, 2360, 2362, 6512
reviews 875, 3721
simulation 1283, 6512
Fire danger
assessment 1285, 2355, 2968, 3719, 3720, 5492
computer techniques 1772
fuels 310, 877, 878, 1202, 1284, 1285, 1286, 2263, 2354, 2356, 2967, 2968, 2971, 3717, 3718, 4390, 5422, 5993, 6511
meteorological factors 2353, 3717, 3718, 3719, 3720
seasonality 877
simulation 2355
statistical methods 2968, 3717, 4391
Fire detection and reporting 2357, 5492
Fire effects 312
bibliographies 594
conferences 2061, 4144
damage 881, 4947, 6514, 6751
economic evaluation 1295, 3721, 4395
economics 2363
on ecology 882, 884, 885, 1063, 1291, 1296, 1325, 1357, 1482, 1773, 1873, 1974, 4948, 6215 (*see also* Succession, relation to fires; Synecology, relation to fires; Wildlife, effect of fires)
Arizona 1292, 5495
Australia 3723
books 1507
Brazil 3723
California 3029, 4116
Honshu 5494
Ivory Coast 3824
Minnesota 3782, 3783, 3784
New Jersey 1919
New South Wales 3802
Northern India 5001
Ontario 3780
reviews 883
RSFSR-in-Europe 5995
South Africa 3723, 4390
South Western States (USA) 1293
Southern Africa 3647
Southern States (USA) 4141
Spain 2363
USA 2061
on nutrient cycles 243, 314, 1296, 1757, 2972, 3877, 4917, 5490, 5494
on soils 311, 882, 1751, 1757, 3677, 4394, 4879, 4946, 4948, 5494, 5996, 6468, 6515
on water composition and quality 1475, 2972, 4946, 5491
resistance to 4393, 6513, 6751
Fire prevention 1197, 1287, 1359, 1521, 2355, 2358, 2968, 3721
Fire suppression
aerial methods 2357, 2360, 2361, 3722, 4392
equipment 2359
planning 1289
retardants 2360, 5493
simulation 2361
techniques 2357, 2969, 4392
water supplies 4392
Fires in buildings 1287
Firmiana colorata subglabra 2420
Fish farming (*see* Aquaculture)
Fishes 6768
bibliographies 2650
ecology 1470, 2627, 3238, 4028, 6774
effect of insecticides 5742
effect of pesticides 3150, 5698, 5743
Fishing
management 3033, 5744, 5745
recreation 2628
Fitzroya cupressoides 2326
Flood control 3241, 4045, 4552, 6173, 6175 (*see also* Torrent training)
Flooding 236, 849, 951, 1510, 2914, 3446, 3654, 4034, 4903
Floodplains 5756
forestry 381, 3446, 3551, 4031, 6193
Floods 4033
Flora 364, 365, 366
Arizona 1354
Arunachal Pradesh 3021
Asia 1509
books 590, 1113, 2043, 3272, 3273, 3280, 5804
Cameroon 3778
Central America 6544
German Federal Republic 5805
Honshu 5551
Hubei 2684, 3037
Israel 2049
Maharashtra 3779
Mexico 3272, 3273, 4985
Middle East 6006
Nepal 6549, 6550, 6551
New Zealand 1853
North America 6210
North East Brazil 2426
Northern India 4627
Papua New Guinea 2043
Sahel 5550
Sikkim 4984
South Africa 1113, 3280

Flora *contd.*
South Carolina 4432
South Eastern States (USA) 3014
Spain 3008
Sri Lanka 6208
Taiwan 3018, 3019, 3020
Thailand 6053
Uganda 590
West Africa 5550
Western Europe 2038
Florida
Anacamptodes pergracilis 5639
catchment areas 3461
choice of species 663
clear felling 5747
Coptotermes formosanus 3925
Cronartium fusiforme 3091
Elasmopalpus lignosellus 1427
energy resources 4383
fertilizers 82, 2158
fire control 2362
forest ecology 3461
forest fires 1304
forest litter 3625, 6458
forest management 4830
fungus diseases 467
history 1304
humus 3625
hydrology 4032
insect pests 5101
landscape 4383
Melaleuca quinquenervia 2065, 2192, 2193, 2194, 2195, 2196, 2267, 2362, 2589
Meloidogyne incognita 5684
nature conservation 2589, 2590
nitrogen cycle 3674
nursery management 697, 1427, 2755
nutrient cycles 6335
ornamentals 697
Pinus clausa 3358
Pinus elliottii 720
Pissodes nemorensis 2534
Quercus 5101
remote sensing 2192
seed, seed orchards 3104
shade trees 4383
site preparation 720, 3461, 4032, 6335
soil types 82
species trials 3358
Systena marginalis 2533
tree breeding 3057
urban and suburban forestry 6809
vegetation types 446
weed control 2194, 2196, 3468
wildlife 2589, 2590
Flowering 53, 352, 356, 1574, 2758, 3771, 3849, 4397, 6546
induction 320, 321, 354, 355, 394, 904, 1369, 1562, 1837, 1838, 2401, 3003, 3769, 5869, 6030, 6043, 6044, 6095
periodicity 320, 321, 327, 1775, 1839, 2977, 4398, 5543
physiology 3003, 6540
Flowers
anatomy 6521, 6546
development 2991, 3772, 4296, 5542, 6546
morphology 4296, 4426, 6521
pests 2398, 2499
uses 1363
Fodder 1978, 4003, 4004, 4173, 5385, 6185
books 4119
from foliage 133, 2261, 3752, 3979, 4119, 4287, 4787, 4789, 4791, 5183
from fruit 4287, 4288, 4787, 5183
Fog and mist 5755
Fokienia 1836
Fokienia hodginsii 1835
Foliage 3159 (*see also* Leaves)
analysis 902, 903, 1803, 2173, 2326, 2375, 2750, 2843, 2911, 2944, 3405, 4156, 4939, 5450, 5457, 5484, 5980, 5981, 6289, 6503
chemistry 902, 903, 1187, 1318, 1411, 2526, 3403, 3675, 4254, 4419, 4927, 4967, 4968, 5090, 5345, 5650 (*see also* Plant nutrition)
inorganic compounds 1223, 1224, 1275, 1555, 1650, 2912, 3125, 4370, 4707, 4918, 5984

Foliage *contd.*
chemistry *contd.*
organic compounds 296, 336, 472, 901, 970, 1000, 1800, 1804, 1805, 1948, 2375, 2992, 3752, 3754, 3969, 4293, 4413, 4416, 4496, 4501, 5523, 5643, 5644, 6024, 6027, 6048, 6529, 6531
colour 6530
damage 3699, 4424, 4938, 4939, 5961, 6024
diseases 3912, 5078, 5619
Aesculus 5257
Chamaecyparis 972
Crataegus 4487
Cryptomeria 5620
Eucalyptus 470, 471, 3104
Juglans 5621
Juniperus 4487
Larix 6095
Larix decidua 5083
Malus 4487
Pinus 971, 1411, 1416, 1932, 2492, 2493, 3100, 3102, 3909, 6094, 6670
Platanus 5257, 5989, 6504, 6671
Populus 472, 1934, 2490, 3101, 3103, 4483, 5296, 6628, 6667, 6668, 6674
Pseudotsuga 469, 1417, 3910, 6669
fire effects 313
injuries 267, 1230, 1232, 1238, 1736
light relations 1776, 3000, 6003, 6446
measurements 323, 800, 1658, 1678, 1686, 1776, 2247, 2822, 2987, 3552, 3725, 4968, 5257, 5417, 5862, 5923, 5924, 5925, 6402, 6405, 6446
methodology 5257
microflora 2952, 3101, 4485, 4915, 5078, 6670
optical properties 2879, 3588, 3690, 3691, 3692, 5425
pests 1449, 1946, 1947, 1948, 2530, 3115, 4416, 4967, 5090, 5102, 6111, 6114, 6703
pigments 6530
processing 4293
relation to growth 324, 800, 2208, 2247, 3725, 3728, 4916, 5484, 6022
sampling 1224, 3652, 3678, 6503
seasonal behaviour 319, 327, 342, 2326, 2977, 2992, 4968, 6085
uses 133, 180, 1187, 4293, 4419, 4790 (*see also* Decorative greenery and wreaths; Fodder, from foliage)
volatile compounds 860, 1333, 6024
water relations 232, 342, 800, 2323, 3348, 3641, 3645, 3651, 3652, 3702, 4358, 4900, 4973, 5082, 5974, 6538
Fomes annosus (see *Heterobasidion annosum*)
Fomes fomentarius 5049
Fomes igniarius (see *Phellinus igniarius*)
Fomes pini (see *Phellinus pini*)
Forest administration 22, 215, 1101, 1532, 1537, 2280, 2306, 3318, 3337, 3347, 4645, 4656, 5272, 5278, 5280, 5849
bibliographies 5242
Forest borders 2956, 4546, 4549, 6740
Forest ecology 1063, 1143, 1859, 2579, 2581, 2702, 3263, 3461, 3790, 3916, 4115, 4435, 4508, 4602, 5002
books 1103, 2041, 2047
reviews 377, 4988
Forest fires 3312
behaviour 1284, 2353, 2354, 2356, 2971, 3716, 4388
bibliographies 1114
books 4600
conferences 1521, 4144
forecasting 4391
history 1114, 1118, 1127, 1284, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1496, 1497, 1498, 1773, 3029, 3143, 3265, 4389, 4600
methodology 4388
simulation 2353, 2354, 2355, 2356, 3716
smoke 880, 1282, 2970
statistics 876, 1521, 1771, 2360, 3719
terminologies 1118

Forest influences on
air 573, 2953, 4133, 4939, 5986, 6507, 6510 (*see also* Wind, effect of shelterbelts)
climate 569, 1733, 2047, 2352, 2628, 3714
erosion 594, 4036, 4037, 4978
fauna 2628, 2632, 4021, 4545, 6157, 6158
flora 1281, 2632
hydrological factors 594, 2047, 2352, 2592, 2628, 2907, 2908, 4030, 4033, 4034, 4036, 4037, 4357, 4385, 4550, 4553, 4855, 5165, 5488, 5748, 5750, 5752, 5754, 5755, 6169, 6171, 6172, 6176, 6775, 6779
books 5807
microclimate 1734, 1777, 4079, 4357, 4382, 4383, 4384, 4792, 6377, 6443, 6509
noise 5487 (*see also* Noise)
soils 845, 858, 1281, 2314, 2315, 2316, 2628, 2632, 2902, 2904, 2905, 2907, 2908, 2942, 2966, 3713, 3715, 4349, 4354, 4357, 4385, 4561, 4876, 5170, 5365, 5446, 5456, 5762, 5965, 5985
water composition and quality 1070, 2592, 4029, 5756
Forest inventories 172 (*see also* Forest surveys; Regeneration surveys)
Austria 2286, 2288
books 2641, 5809
California 1202
Cameroon 3584
Canada 2874
computer techniques 202, 1119, 3581, 3582, 4324, 4327, 5218, 6429
conferences 137, 764, 765, 3287, 3299, 3585, 4139
Czechoslovakia 4837
data processing 139, 140, 1119, 3582, 6234
economics 2293
Finland 1713, 1981
France 5809
Georgia 826
German Democratic Republic 2287
German Federal Republic 549, 2280, 4318, 4319
India 2285
Indonesia 825
Malaya 130, 4719
methodology 4330, 6427
Mexico 4323, 4838, 4839
Minnesota 3287
New Hampshire 3581
New Zealand 5973
Norway 617
Oregon 1202
periodicals 2624
sampling techniques 202, 203, 204, 205, 609, 825, 826, 1119, 1159, 1697, 1710, 1711, 1712, 1716, 2284, 2285, 2286, 2289, 2291, 2292, 2294, 2295, 2641, 2824, 2870, 2871, 2872, 2873, 2875, 3366, 3580, 3583, 3586, 3602, 3858, 4323, 4836, 4840, 4841, 5564, 5809, 5950, 6426, 6429, 6430
simulation 4322
Sarawak 6234
simulation 824, 1716, 2286, 2870, 4836
South East Brazil 2291, 2292, 2293, 2294, 2295
South Eastern States (USA) 4327
statistical methods 2285, 2287, 2668, 2872, 2873, 3580, 4325
Sweden 1714, 1715
Switzerland 2289
Tanzania 4842
Tropics 4326
Vermont 4324
Wisconsin 823, 824
Forest litter 578 (*see also* Humus)
chemistry 846, 854, 855, 1067, 2319, 3391, 3625, 4927, 6499
decomposition 336, 846, 847, 848, 853, 854, 855, 979, 1066, 1067, 1069, 1587, 1744, 1745, 1746, 1749, 1893, 1997, 2327, 2329, 2627, 2662, 2839, 2933, 2936, 3391, 3624, 3631, 4439, 4883, 4885, 4927, 5444, 5567, 5568, 5967, 5968, 5969, 6455, 6457, 6458, 6460, 6476, 6479

Forest litter *contd.*
effect of fires 314
effect on water composition and quality 852, 979, 1066, 1067, 1069, 2627, 4551, 5486
fauna 848, 2916, 4509, 4895, 4920
flora 1746
fungi 3637, 4883, 5969
measurements 222, 224, 225, 785, 1213, 1743, 1747, 2269, 2327, 2751, 2839, 2915, 2916, 2917, 2941, 3553, 3622, 3623, 3624, 3630, 4353, 4438, 4729, 4882, 4884, 4886, 4887, 4888, 4890, 5444, 5445, 5486, 5567, 5568, 5967, 5968, 6458, 6459, 6461
methodology 5445
microorganisms 3624, 5969
moisture relations 1749, 2149, 2592, 4438
nutrients 225, 853, 854, 1587, 1743, 1893, 1997, 2319, 2327, 2329, 2751, 2762, 2917, 2933, 2936, 2941, 3662, 3667, 3668, 4353, 4364, 4883, 4885, 4886, 4887, 4888, 4890, 4907, 5443, 6461, 6479, 6486
relation to soils 2909, 2962, 6457
respiration 3624
reviews 3629
simulation 1744, 3624, 3631
statistical methods 3622
Forest management 23, 597, 4117, 4347, 5839, 6436 (*see also* Working plans; Yield regulation)
books 4117
computer techniques 201, 254, 2276, 2869, 3254, 3310, 3576, 4160, 4318, 4835, 6425
conferences 135, 769, 770, 4143, 4633
cooperatives 1044
data processing 207, 1719
ecological aspects 543
economics 29, 198, 564, 625, 816, 833, 836, 837, 1065, 1140, 1207, 1725, 2106, 2278, 2281, 2282, 2303, 2885, 2886, 4315, 4335, 4829, 4830, 4863, 6440
effect on hydrology 816, 1065, 4386, 4387, 6775, 6781
history 2080, 2093, 2430
management units 1044, 4317, 5420, 5421
multiple use 199, 201, 625, 817, 1092, 2865, 3254, 3293, 3578, 5788, 6186, 6204, 6221, 6507, 6794
organization 29, 645
planning 97, 629, 820, 821, 1119, 1140, 1201, 1209, 1324, 1708, 1719, 1721, 2057, 2272, 2276, 2277, 2279, 2280, 2281, 2282, 2283, 2679, 2864, 2866, 2869, 3254, 3299, 3301, 3576, 3577, 3614, 4110, 4117, 4157, 4158, 4315, 4316, 4317, 4318, 4319, 4320, 4829, 4831, 4832, 4834, 4835, 5199, 5270, 5435, 6204, 6221, 6425
private forestry 561
relation to ecology 816, 2764, 2867, 2945, 3324, 3696, 3793, 4110
research 642, 643
silviculture 29, 141, 196, 623, 701, 702, 704, 705, 711, 764, 769, 770, 801, 802, 822, 836, 837, 1049, 1140, 1200, 1709, 2277, 2278, 2279, 2281, 2282, 2355, 2867, 2868, 3152, 4829, 5823, 6421
simulation 607, 821, 1708, 2864, 4157, 4158, 4335, 4830, 5837, 6440
statistical methods 2869
systems analysis 601
theoretical aspects 197, 1201, 1708, 4318, 4319, 4320, 4829, 4831, 4832, 6401
Forest ownership 27, 214, 216, 217, 563, 621, 623, 624, 625, 766, 1537, 1543, 3332
Forest parks (*see* Amenity forests)
Forest policy 24, 597, 766, 5261, 5838 (*see also* Forestry development)
Australia 1528
Austria 2076, 5839
Bangladesh 5232
bibliographies 5242
books 613, 3275, 4117
Brazil 1143, 5284
Canada 2685, 3153, 5283
China 1528
Forest policy *contd.*
conferences 4146
Developing Countries 5232
Europe 3275
European Communities 4170
France 4662
German Federal Republic 4647, 4663, 4864, 5285
India 2682, 2683
Japan 1528
Malaysia 648, 5232
Minnesota 622
Netherlands 2081
Newfoundland 3153
Norway 617
Pacific Northwest (USA) 6250
simulation 6239
South Carolina 4175
United Kingdom 2675, 4166
USA 3330, 4117, 4146, 4622, 5253
USSR 1528
Forest recreation 573, 584, 1091, 3259, 4580, 5788
Austria 2619
Azerbaijan SSR 6198
bibliographies 5241
books 1506, 2048, 6204
conferences 598, 771
damage by 294, 2332, 4078, 4586, 6197, 6198, 6463
Denmark 4077
economics 33, 1096, 2013
effect on ecology 577, 578, 579, 2618, 4078
Finland 2028
France 2030
Georgia 834
German Democratic Republic 2013, 2029
German Federal Republic 575
Israel 4079
Japan 3260
Kyushu 4075
Lithuanian SSR 6197
Maryland 4078
Michigan 1095, 1097
Minnesota 1092
New Hampshire 4074, 4582
North Carolina 1094
Ontario 2027
Oregon 2618
RSFSR-in-Europe 576
Siberia 4586
statistical methods 574
Tennessee 1094
United Kingdom 2031, 3792, 4148
USA 598, 1506, 2026, 2620, 4584
USSR 294, 577, 578, 579
Forest resources 28, 597, 601, 614, 624, 628, 629, 630, 631, 645, 818, 1101, 1144, 1529, 2081, 2092, 2101, 2624, 2677, 2679, 2686, 3328, 4139, 4174, 4400, 4623, 4641, 4642, 4651, 4654, 4659, 6432 (*see also* Forest statistics)
books 4108
Forest statistics 617, 1542, 2082, 2083, 2084, 2085, 2086, 2088, 2094, 2686, 4169, 4641, 5398, 5399, 5841
Forest surveys 1303, 4329, 4844
Forest types (*see* Vegetation types)
Forestry
Alabama 4107
Argentina 5852
Australia 31, 633, 817, 4669
Austria 5839
Belgium 3320, 5271
bibliographies 1115, 1514, 1515, 3285, 5240, 6216
books 591, 1508, 2633, 4112, 4113, 5228
Brazil 5851
British Columbia 5228
Chile 1544, 5852
China 25, 5279
Colombia 5852
Congo 1617
Cyprus 5829
Denmark 5829
Developing Countries 4163
economics 2013, 4669
Europe 5269
European Communities 4170
Finland 21, 209
France 4610
Forestry *contd.*
Georgia 4177
German Federal Republic 5848
Greece 5829
history 1515, 2089, 2091, 3270, 3325, 4112, 5273, 5274, 5281, 5282
Hokkaido 5280
Hong Kong 5850
Honshu 5273, 5274, 6155
India 4173, 4650
Israel 5829
Ivory Coast 5829
Japan 2680, 3327
Kentucky 30
Korea Republic 5185
Maharashtra 3324
Malawi 5829
Malaya 2681
Malaysia 4171
Nepal 5814
New England 4112
Northern India 5001, 5214
Paraguay 5852
relation to environment 591, 1143, 2013, 3320, 3324, 3707, 3791, 4058, 4166, 4877, 5001, 5240
reviews 2352
research 2097, 2107, 2659, 2675, 3311
Sabah 2681
Sarawak 2681
Saudi Arabia 5277
sociology 570, 817, 1139, 1143, 1528, 1538, 1548, 2016, 2104, 2688, 3251, 3605, 4163, 4652, 4678, 5204, 5288, 5705, 6240
South East Brazil 5853
statistical methods 17, 606
Tasmania 4625
Thailand 5829
Tropics 3279
tropics 3311
Tropics 4163, 5267
United Kingdom 1535, 2675, 4166, 4167, 5842
USA 3285, 4113
Zambia 5829
Forestry development 553, 566, 619, 632, 645, 768, 1073, 2058, 2096, 2687, 2688, 3251, 3316, 3323, 4060, 4163, 4621, 4654, 4678, 5184, 5284, 5288, 5840, 5850, 5851, 5852, 5853, 6240, 6242, 6796
books 4110, 5232
Forficula auricularia 6718
Forficulidae 6734
Form factors 781, 782, 783, 5397, 5404, 5922, 6376, 6379 (*see also* Stem forms, taper)
Form quotients 1683, 5913
Formica haemorrhoidalis 3980
Formica polyctena 6679
Formica rufa 1962, 6679
Formica rufibarbis 5711
Formicidae 6107
Fouquieria splendens 4951
Foxes 3233
Fragmentation of land holdings (*see* Consolidation of land holdings)
France
afforestation 1538
air pollution 2949
ants 1028
arboreta 1735
bark beetles 3169
biological control 6718, 6734
biomass production 1196, 1197, 1222
books 4610
Ceratocystis ulmi 6676
Choristoneura murinana 1432
climatology 1111, 1735
coppice 1657
Cryphonectria parasitica 3109
deer 1996, 3228
deforestation 2332
diseases of trees 3094
education 1548
Erica arborea 2369
erosion 2006
erosion control 2006
Eucalyptus 5312
Fagus sylvatica 1320
farm woodlands 2023
fertilizers 2741, 5035
fire control 2357

France *contd.*
fire effects 1291
floodplains 6193
forest administration 1532, 1537
forest inventories 5809
forest litter 1747
forest management 2867, 4662
forest ownership 1537
forest policy 4662
forest recreation 2030, 2332
forestry 2090, 2674, 4610
fungus diseases 2472
history 1531, 1536, 2079, 2080, 2090, 2676
information services 1547
insect pests 5654
land use 1538, 2637
Lasiomma 6713
Matsucoccus feytaudi 3933
mountain forests 1643
mycorrhizas 1380, 5035
natural regeneration 3227
nature conservation 6193
nematodes 514
nutrient cycles 1222
phenology 3133, 3134
Pinus pinaster 2079, 4245, 5323
Pinus radiata 5311
Pinus sylvestris 1706
Pinus taeda 1150
Pissodes castaneus 6125
plant disorders 3169
planting season 5355
Platanus occidentalis 5306
Platanus orientalis 5306
pollution 2332
Populus 'I-214' 4715
private forestry 1537
provenance trials 1556, 1778, 2120, 3348, 3933, 5311, 5578
Pseudotsuga menziesii 1778, 2215, 5578
Quercus robur 1890
Quercus rubra 2219, 2801
remote sensing 1206
Salicaceae 5355
seed 5323
Seiridium cardinale 6665
silviculture 4334
site types 1890
soil types 6472
species trials 1150, 5306, 5312
succession 1345
synecology 1345, 3811
Tetrao urogallus 2580
thinning 1637, 2300
Tortrix viridana 3133, 3134, 6140, 6718, 6734
tree breeding 1905, 4704
Ulmus laevis 1779
vegetation types 1325
vegetative propagation 4704
volume tables 4306
wildlife, damage by 4016
yield forecasting 2215
Zeiraphera diniana 994
Franchetella 5514
Frankia 430, 431, 3069, 3388, 5596
Frankia alni 6619
Frankia elaeagni 1378
Franseria dumosa 5565
Fraxinus 328, 4694, 6557
Fraxinus americana
air pollution 2958
diseases, mycoplasmas 5082
fertilizers 2190
forest litter 846, 5444
frost injury 44
genetics 937
herbicides 1170
increment 5222
injection of trees 1170
insect pests, *Lymantria* 5649
insolation, damage 4094
leaves, anatomy 328
light, light relations 4977
mycorrhizas 3873
natural regeneration 3440
nematodes 5685
nutrient deficiencies 3657
ornamentals 4094
planting stock 3419
provenance trials 44
site class assessment, by growth 188
Fraxinus americana *contd.*
site preparation 4735
stand characteristics, structure 1868
stem forms 4300
taxonomy 328
transpiration 4977
tree breeding 5589
volume tables 145, 4300
weed control 2190, 4735
weight tables 145
wood anatomy 937
wounds 5222
Fraxinus angustifolia 3551, 3628
Fraxinus chinensis 6682
Fraxinus excelsior
bacterial diseases 4484
drainage 2188
flowering 1839
forest litter 5568
forest management 2281
fruiting 1839
insect pests
Ips 2568
Xyloterus 2568
mixtures 2796
natural regeneration 3434
phenology 1839
plant morphology 4405
plant water relations 2188
plantations on, waste land 4049
planting stock 2165
protection forest 2605
provenance trials 6269
roots, chemistry 4925
salt injury 2346
sap 2383
seed, quality 1152
sex 1839
silviculture 3425
site class assessment 3634
soil biology 6463
thinning 2209, 2281, 2789
wood anatomy 895
yield regulation 3425
Fraxinus lanuginosa 5934
Fraxinus mandshurica japonica 3745, 5934
Fraxinus ornus 5466
Fraxinus oxycarpa 3425
Fraxinus pennsylvanica
biomass production 4908
chemical constituents of plants 4908, 5778
fertilizer application 1581
flooding 3446
growth regulators 5893
increment 5169
leaves, anatomy 328
mulching 4101
mycorrhizas 414, 3867, 6624
nursery management 2169
plant nutrition 1223
plant water relations 5169
plantations in
Illinois 2923, 2926
Mississippi 1223
plantations on
mining wastelands 5778
polluted sites 6793
provenance trials 5310
roots 898, 6516, 6793
seed 3364
germination 2727
shade trees 1493
shelterbelts 4043, 6790
soil cultivation 1223
soil fertility 2923, 2926
taxonomy 328
transplanting 4087, 4101
Fraxinus platypoda 3804
French Guiana, wood anatomy 2990
Freycinetia 6051
Frost injury 44, 861, 1510, 2160, 2309, 2894, 3106, 3402, 4865, 4866, 4875, 5056, 5079, 5440, 5958, 5959, 5963, 6445
Frost resistance 940, 1210, 2718, 5338, 5865, 5963
Abies 1808
Alnus 6445
Betula 6445
Eucalyptus 1806, 1911, 5865
Larix 1808
Picea 861, 2898, 3350, 5480, 6591
Pinus 1553, 2719, 6591
Frost resistance *contd.*
Populus 1824, 6445
Prosopis 49
Rhododendron 1808
Salix 6445
Sequoiadendron 6073
Fruit (*see also* Cones; Seed)
anatomy 348
chemistry 312, 1799, 2372
edible species 1142, 2231, 2399, 2400, 3507, 3976, 4124, 4294, 4788, 4789, 5499, 5798, 5995, 6054, 6374, 6513, 6767
morphology 2372, 5591
shedding 3432
uses 1799
Fruiting 134, 327, 911, 1574, 1839, 2032, 4397, 4398, 5543, 5591
Fuel plantations 41, 646, 1132, 1550, 1567, 1601, 1602, 1623, 2261, 2599, 2694, 2695, 2704, 2706, 2707, 2709, 2710, 2711, 2712, 2713, 2853, 3115, 3346, 4137, 4173, 4189, 4192, 4244, 4310, 4631, 4678, 4679, 4684, 4698, 5179, 5254, 5287, 5295, 5374, 5813, 5828, 5855, 6253, 6254, 6255, 6257, 6258, 6259, 6260, 6261, 6262, 6354, 6445, 6582
bibliographies 11
Fuels 648
economics 4678, 4679
hydrocarbons 4675
residues 798, 6511
resources 601, 647, 1684, 4189, 4675, 5855
Bangladesh 5232
Developing Countries 4130
German Federal Republic 6805
India 2704
Iran 2639
Kenya 4679, 4680
Sahel 5293
South Africa 3347, 3422, 6252
Sweden 6256
United Kingdom 2854
USA 4142, 4188
Zimbabwe 4777
roundwood 199, 647, 799, 1100, 2261, 2639, 2703, 2706, 4137, 4678, 6185, 6805
Fumigants 3085, 3110, 3998, 4424, 5594 (*see also* Fungicides; Insecticides; Soil sterilants)
Fungi
anatomy 4478
biology 3897, 3903, 6092, 6650
damage by 5043
ecology 1258, 1392, 1912, 2478, 3376, 3906, 4464, 4465, 4510, 5022, 5023, 5041, 5554, 5600, 6607
economics 5393
edible species 2680, 3520, 3870, 4298, 5391, 5392, 5393
effect on growth 5026, 5043
identification 4475, 6654
inhibitors 1403, 3872, 4489, 5036, 6640, 6677
laboratory culture 1931, 2485, 3897, 4488, 4489, 5043, 5620, 6611, 6626, 6659
morphology 6650
physiology 1402, 6614, 6651
resistance to 4478
stimulants 6606
taxonomy 431, 3081, 4475, 5619
Fungicide application
aerial application 479
effect on soil biology 482
methodology 5084, 5835, 6743
pollution 2585
safety 6743
surface adhesion 3914
testing 1933
translocation 975, 976
Fungicides 3998, 6743
'Aliette' 1924
allyl alcohol 3110
'Bayleton' 1923, 4487
benodanil 2488
benomyl 479, 1400, 1417, 1418, 1933
biteranol 4487
Bordeaux mixture 3096
Ca compounds 449
captafol 4487, 6675

Fungicides *contd.*
captan 1398, 4487
carbendazim 484, 976, 1418, 1933, 3111, 6675
'Ceresan' 4457, 5041
'Chevron 26940' 1924
chloropicrin 3110
chlorothalonil 1417, 4487
Cu compounds 1417, 1933
dazomet 482
dimethoate 3111
dinocap 3111
etridiazole 1924
fenpropimorph 2488
ferbam 1417, 5066
folpet 482, 1933
'Fundazol' 1418
Hg compounds 2585
mancozeb 1933, 3889
maneb 1417, 1933, 4487
mercuric oxide 6675
metalaxyl 1924, 6678
metham-Na 482, 3110
methiram 1933
methyl isothiocyanate 3110
oxycarboxin 2488
polyoxin 479, 4489
propiconazole 6667
quinomethionate 3111
quintozene 3889
'RH 2161' 4464
S 449
tetracycline compounds 480, 481
thiabendazole 484, 5084
thiophanate-methyl 6675
thiram 1418
triadimefon 2488, 3914, 6667, 6675
triadimenol 6675
tridemorph 3111
'Vanguard' 4487
zineb 1933, 4457
Fungus diseases 3077, 5603, 6094, 6096, 6634
assessment 4491, 6629
biology 2490, 3889, 5059, 5077, 5078, 5604, 5608, 6093, 6635, 6647, 6651, 6672
books 1505
control 449, 962, 1923, 2680, 4372, 5624, 5892, 6743
Alternaria 5042
Ceratocystis 1399, 1400, 5084, 6677
Cercoseptoria 2493
Cryphonectria 3109
Eichleriella 5058
Fusarium 5042
Guignardia 479
Lophodermium 3102
Melampsora 1934
Oidium 3111
Ophiostoma 1418
Phellinus 6640
Phytophthora 5604
Rhabdocline 1417
Verticillium 5608
damage by 12, 971, 1323, 1829, 4250, 6504
detection 6626
distribution 1388, 4463, 4491, 5021, 5039, 6657
ecology 1258, 4466, 5600, 6230, 6629
Fusarium 6672
Gremmeniella 6093
Leptographium 2472
Phytophthora 5604
Stigmina 972
Verticillium 5608
economics 961, 962
effect on growth 469, 971, 5064
effect on physiology 337, 948, 1408, 5051, 5064, 6646
effect on wood 2482, 5064
forecasting 3102
infection 3095, 4482, 5621, 5624, 6648, 6658
methodology 4475, 6653, 6654
resistance to 970, 1257
in *Abies* 1422
in *Acer* 1409, 3897
in *Castanea* 968
in Coniferae 4452
in *Cupressocyparis* 3089
in *Cupressus* 3089

Fungus diseases *contd.*
resistance to *contd.*
in *Eucalyptus* 2461
in *Larix* 1801, 6095
in *Picea* 1334
in *Pinus* 957, 967, 1407, 1820, 5379, 6646
in *Platanus* 5073
in *Populus* 472, 2490, 5303, 5304, 5613, 6628
in *Quercus* 460
role of wounds 1334, 4372, 5221
statistical methods 3102
symptoms 467, 470, 471, 1400, 3889, 5058, 6635, 6672
taxonomy 4483, 5052, 5619, 6657
Fungus diseases of insects 2504, 3195, 3926, 5717, 6146, 6679, 6730, 6733
Fusarium 91, 949, 1391, 1392, 6090, 6626, 6627
Fusarium avenaceum 5602, 6656
Fusarium oxysporum 720, 1391, 1392, 3079, 5036, 5037, 5044
Fusarium semitectum 4250, 6672
Fusarium solani 1391, 3902, 4793, 5303
Fusicoccum quercus 6629
Gabon
education 5290
Entada gigas 370
training 5290
Gafner forwarder 2791
Galls 454, 492, 973, 983, 1030, 1032, 1434, 1947, 1948, 3124, 3125, 3972, 3976, 4416, 4484, 4493, 5095, 5122, 5124, 5141, 5142, 5143, 5144, 5679, 6683
Gambia
dieback 454
Rhizophora 454
Game (*see* Birds; Wildlife)
Ganoderma lucidum 5039, 5045
Garcinia 2262
Garcinia mangostana 5499
Gas regime of plants 3762, 5479, 6034
Gasteromycetes 5022, 5030
Gastropacha quercifolia 1967
Gaultheria shallon 3475
Genetics 5570, 6215 (*see also* Chromosomes; Hybridization; Pollination; Tree breeding)
biochemistry 336, 391, 404, 1131, 1365, 1366, 1367, 1368, 1372, 1373, 1374, 1375, 1376, 1903, 2460, 3056, 5012, 6590, 6592, 6593
books 5812
computer techniques 5571
conferences 13, 1131, 6231
genetic resources 6574, 6575
genetic surveys 1374, 1375, 3059, 5592, 6236, 6589, 6591
inbreeding 385, 3040, 3048, 3051, 3848, 6072, 6078, 6589
inheritance 397, 405, 465, 1901, 2461, 2462, 3040, 3041, 3064, 3849, 3851, 3852, 3854, 5018, 5575, 5576, 5577, 5587, 5858, 5860, 5926, 6074, 6075, 6081, 6095, 6579, 6581, 6582, 6587, 6590, 6594, 6598
Larix 930
methodology 1365, 1373, 3044, 6589, 6593
mutations 3066, 3067, 5834
ploidy 937, 6082
relation to ecology 387, 929, 936, 940, 1227, 1367, 2429, 2449, 3055, 3853, 5579, 6591, 6592
relation to physiology 293, 940, 1366, 1810, 3759, 6591, 6619
relation to silviculture 928, 3039, 4194, 4195, 4196, 5484
research 2444, 6603
reviews 2444
statistical methods 3052, 3054, 6072, 6075, 6236, 6237, 6238, 6584
variations 386, 930, 1256, 3504
Abies 2451, 3380, 5011, 5584
Acer 5010
Alnus 5010, 6619
Araucaria 6046
Betula 3858, 3865, 6599
Celtis 940
Cryptomeria 388, 1901, 4194, 4195, 4196, 6081

Genetics *contd.*
variations *contd.*
Eucalyptus 2462, 3064, 3852, 4451, 5865
Fagus 3853, 5317
Larix 916, 3047
Libocedrus 5324
Lophira 2429
Moringa 2444
Peltophorum 2977
Phyllostachys 5019
Picea 393, 3054, 3361, 3840, 3841, 3843, 5010, 5326, 5891, 6077, 6591
Pinus 66, 251, 292, 293, 395, 935, 1376, 1899, 1903, 1905, 2127, 2444, 2450, 2454, 2455, 3042, 3046, 3053, 3057, 3088, 3092, 3100, 3682, 3730, 3847, 3851, 4198, 5012, 5311, 5315, 5316, 5484, 5859, 5864, 6469, 6529, 6578, 6579, 6580, 6585, 6586, 6590, 6591, 6592
Platanus 2910, 3346, 3854, 6596
Populus 406, 2460, 5018, 6085
Pseudotsuga 397, 1778, 2123, 2446, 3049, 3838, 5578, 5579
Pyrus 6271
Quercus 6056, 6597, 6600
Sequoiadendron 3850, 5324, 6073
Tectona 2444
Ulmus 5010, 5591
Genista aetnensis 6486
Geology 3826, 4554, 6174
Geometridae 3222
Georgia
amenity forests 834
biomass production 797, 799, 826
Castor canadensis 1061
Ceratocystis ulmi 4490
controlled burning 2970
Cronartium fusiforme 5350
Dendroctonus frontalis 528, 1017, 3986, 5695
economics 834, 4176, 4177
Eucalyptus viminalis 2718
extension 700
fertilizer application 5350
finance 833
forest inventories 826
forest management 833
forest ownership 623
forest recreation 834
forest resources 4176, 4177
forestry 4177
mycorrhizas 5350
Pinus clausa 664, 670
Pinus 'Southern' 779
Pinus taeda 5350
private forestry 835
Quercus 799
roadside plantations 6613
Scolytus multistriatus 1440
seed 677, 934
silviculture 700
site preparation 4732, 4740, 4742
slash 798
soil types 1211
species trials 664, 670
thinning 3491
tree breeding 934
volume tables 779
waste wood 798
water conservation 834
weed control 2784, 3468, 6357
wildlife 3491
yield tables 813
Georgian SSR
exotics 1790
national parks 1090
nature conservation 1090
nematodes 5687
Neodiprion sertifer 6142
parasites of insect pests 3266
shrubs 1790
trees 1790
German Democratic Republic
afforestation 4050
air pollution 3395, 3701, 5463, 6134
arboreta 5268
biographies 2075
biomass production 2087
Carabidae 6134
economics 2013

German Democratic Republic *contd.*
fertilizers 1625, 1650, 3394, 3395, 3406, 3407, 3639, 4224
fire prevention 1521
forest inventories 2287
forest management 2278
forest recreation 2013, 2029
forest resources 2677
history 1859, 3270, 4609, 5268
information services 1545
insect pests 6721
land use 5230
landscape ecology 639, 5230
maps 2087
mining wastelands 2155, 6478
nursery management 3415
parasites of insect pests 6740
Picea abies 2278
Pinus sylvestris 3546
plantations 3270
planting stock 3421
provenance trials 1554
Pseudotsuga menziesii 2216
relascopes 2242
research 1859, 5268
resin tapping 2812
silvicultural systems 5357
soil biology 3639
soil chemistry 4881
spraying equipment 3510
synecology 5006
thinning 3484, 3495
tree breeding, breeding programmes 3842
Trichogramma 6143
urban and suburban forestry 2008
vegetation, surveys 3829
vegetation types 2087
weed control 5371
weight tables 3546
yield tables 5836

German Federal Republic
Abies alba 2391, 3276
Abies grandis 2716
acid rain 4365, 4368, 6524
afforestation 2606, 3447, 5285, 5762
air pollution 2340, 2341, 2392, 3274, 4318, 4918, 4933, 5848, 5984, 5987
Alnus glutinosa 5297
amelioration of forest sites 4220
bark beetles 2568
biographies 2075
birds 4010, 6165
breeding programmes 6087
browsing damage 2584
catchment areas 2603
Choristoneura murinana 2532
Cinara pectinatae 2507
Coleophora laricella 5648
community forestry 4644
consolidation of land holdings 4576, 6441
Cryptococcus fagi 2510
dams 2603
dendrochronology 2341
dieback 2391, 4979
diseases of trees 5048, 6038, 6039
drainage 2188
economics 575, 2303, 2305, 2615, 3485, 6441
education 2110, 2111
extension 5211
Fagus sylvatica 2266, 3503, 3808
farm woodlands 567, 2615
fertilizers 2156
fire control 2357
fire suppression 2360
floodplains 6193
flora 5805
forest administration 22, 2280, 2306, 4645, 5844
forest fires 2360
forest inventories 2280, 4318, 4319, 5950
forest management 2093, 2279, 2280, 2283, 3331, 4318, 4319, 5845
forest policy 4647, 4648, 4663, 4864, 5285, 5838
forest recreation 575
forest resources 6805
forestry 2089, 5843, 5845, 5848
fungi 6670
fungus diseases 2490
groundwater 3650

German Federal Republic *contd.*
hedges 4044, 5760
history 22, 2089, 2093, 2430, 3270, 3321, 4129, 4609, 5844, 5846
hydrology 6780
increment 185, 5943
insect pests 3200, 6721
insurances 6247
international cooperation 2078
Ips typographus 2571, 2572, 2573, 2575
Juglans regia 2225, 3506
land use 2283, 2609, 2613
landscape 4080, 4081, 4082
landscape ecology 2174
Larix leptolepis 5942
legislation 32, 2052, 3331, 5854, 6247
Lepidoptera 2518
Leucoma salicis 2530
Lymantria monacha 2569
mapping 5423, 5424
maps 2609, 5423
measurement of roundwood 2248, 2253
mechanization 5797
mixtures 2211
mycorrhizas 5595
national parks 4073
natural regeneration 185
nature conservation 2174, 3257, 3968, 4071, 4072, 5215, 5845, 5848, 6193, 6194
nursery management 4229
nutrient deficiencies 6037
Otiorhynchus singularis 2546
periodicals 2035
Picea abies 182, 3361
pigs 2585
Pinus contorta 5298
Pinus sylvestris 5942
Pityogenes chalcographus 5108
planning 4646
plant disorders 2392
plant geography 3800
plant nutrition 4918
plantations 3270, 6330
planting stock 2165, 5854
pollution 298, 2585, 3697
Populus 2224
Populus tremula 5336
precipitation, chemical composition 3688
private forestry 22, 36, 2110, 5211, 6441, 6805
protection forest 549, 575
protection of forests 5845
provenance trials 2131, 2214, 2222, 2716, 3361, 5298
Pseudotsuga menziesii 5914
public relations 2111
Quercus petraea 3448, 3502
remote sensing 4084
research 2035
Rhyacionia buoliana 2532
root and butt rots 1395
safety 4674
salt injury 4926
Scolytus 2574
Scolytus scolytus 5106
seed 5854
shrubs 5760
silviculture 2089, 5843, 5845
site class assessment 4826, 4894
site types 5423
societies 2113
soil chemistry 5456
soil pollution 4925
soil toxicity 4926
soil types 4877
species trials 2126, 2212
stand characteristics 3321, 6416
street trees 4084, 4926
succession 2430
synecology 3799
thinning 740, 756, 757, 2206, 2207, 3604, 5942, 5943
timber trade, marketing 6441
training 36
tree breeding 2459, 5297
Tsuga heterophylla 2348
urban and suburban forestry 4084
vegetation types 185, 3808, 5005, 5845, 6567
vegetative propagation 2147, 5336
virgin forest 2430, 3257
volume tables 154

German Federal Republic *contd.*
water pollution 2603
weed control 2191, 2584, 4733
wildlife 2587, 4009, 5845
wood borers 5667, 5713
Xyloterus 2549, 5134
Xyloterus lineatus 2571
yield forecasting 5943
yield regulation 5229

Ghana
phenology 4398
vegetation types 4398

Gibberella fujikuroi 949, 2487, 4464
Gibberella fujikuroi subglutinans 1407, 2487, 3092
Gibberella pulicaris 5602
Gibberellins (*see* Growth regulators, gibberellins)
Gigaspora 414, 3867
Gigaspora calospora 3873
Gigaspora margarita 1920, 2947
Gilbertiodendron mayombense 3746
Gilletteella cooleyi 984, 2506, 6722
Gilpinia coreana 3924
Gilpinia hercyniae 3969, 3973, 5127, 5643, 5714, 6729, 6739
Gilpinia leksawasdii 6710
Gilpinia marshalli 6710
Gilpinia paitooni 6710
Gilpinia pallida 3917
Ginkgo biloba 898, 3690, 3691, 3844, 4087, 4591, 4694, 6792
Ginkgoaceae 4197
Ginkgoinae, books 1512
Girdling 354
Girth (*see* Diameter)
Glasshouses (*see* Greenhouses)
Glaze (*see* Ice damage)
Gleditsia triacanthos 247, 1410, 1552, 2948, 3654, 4262, 5039
Gleditsia triacanthos inermis 3646, 5222
Gliocephalotrichum simplex 5043
Gliocladium 5043
Gliricidia sepium 2599, 3746
Gloeophyllum trabeum 1943, 4471
Gloeosporium platani 5603
Glomus 414, 6620
Glomus epigaeus 3873
Glomus etunicatus 1920, 3867
Glomus fasciculatus 1920, 3867, 3868, 5598, 5599
Glomus macrocarpus 3873, 6624
Glomus monosporus 3873
Glomus mosseae 1920, 3867, 5599
Glossaries 4619, 5824, 5825, 6212, 6220
Glycobius speciosus 3964
Glypta fumiferanae 3154, 5696
Gmelina arborea 3742
biomass production 1698
increment 652, 4682, 5189
plant water relations 3001, 3002, 3651
plantations in
Mexico 4682
South Africa 3456
planting stock 4713
pollination 3061
seed 6280, 6281, 6284
silviculture 3457
species trials 4681
stomata 3001, 3002
transpiration 3001, 3002
vegetative propagation 1573, 2116, 3381, 4701
Gmelina philippensis 3742
Gnathotrichus retusus 3990, 3991
Gnathotrichus sulcatus 2565, 3990, 3991, 5119, 5700
Gnetum parvifolium 1784
Gnomonia leptostyla 5621
Gnomonia platani 5073, 5989, 6504
Goa, Daman and Diu
ethnobotany 6372
medicinal plants 6372
minor forest products 6372
Goats 1976, 3229, 4006, 4544
Godronia multispora 6656
Goes tigrinus 1956
Gonipterus scutellatus 517, 980
Gonystylus bancanus 783, 1182
Grafts, grafting (*see* Roots, grafts; Vegetative propagation, grafting)
Graphium 6496

Grasses
competition 4987
production 3264
Grazing 876, 1054, 1482, 1549, 2377, 3209, 3215, 3218, 3219, 3491, 4006, 4056, 5179, 5183, 5247, 6758, 6762 (*see also* Pastures)
ecology 539, 541, 549, 1053, 1363, 1870, 1975, 1976, 2431, 3210, 3212, 3230, 3441, 3788, 4531, 4532, 4986, 5001, 5156, 5455, 5723, 6750, 6753, 6754, 6755, 6760, 6764
history 2430
management 201, 311, 534, 535, 536, 537, 538, 539, 540, 542, 1288, 1622, 1974, 1975, 1977, 1978, 1979, 1981, 2552, 2577, 2578, 2642, 2778, 2971, 3216, 3221, 3229, 3288, 4847, 5723, 5725, 5726, 5727, 5728, 5729, 5730, 5731, 6154, 6285, 6468, 6552, 6751, 6752, 6756, 6757, 6759, 6761, 6763
methodology 2871
statistical methods 4532
Greece
biomass production 1197, 1377
climatology 1210, 1342
Cryphonectria parasitica 5071
decay fungi 956
fire effects 1296
forest fires 876
forestry 5829
grazing 876
pastures 1296
phenology 1332, 1340
Pinus halepensis 5462
Pinus pinaster 5859
provenance trials 5859
seed, pests 3117
soil pollution 5462
vegetation types 1296, 1332, 2854
weed control 4734
Green manures 1189, 2228, 4711
Greenhouses 69, 88, 1595, 3418, 3763
Gremmeniella abietina 462, 1820, 1929, 2483, 2880, 3118, 3898, 3904, 4475, 4482, 6093, 6096
Grewia asiatica 5499
Grewia carpinifolia 358
Grewia flavescens 3624, 3765
Grewia hirsuta 2236
Grewia obtiva 3386, 4957
Grewia oppositifolia 4419
Griselda radicans 1005
Ground vegetation 74, 245, 786, 1625, 1750, 2148, 3404, 3653, 3671, 4078, 4445, 4587, 4986, 5009, 5553, 5567, 5568, 5569, 5990, 6760, 6762 (*see also* Competition, ground vegetation)
Groundwater 2005, 2188, 2714, 3083, 3463, 3647, 3650, 4350, 4898, 4899, 6176, 6453, 6466, 6470
Group system (*see* Silvicultural systems, group fellings)
Growing stock 2849, 4822
control 175, 2250, 3551, 3565, 4318, 4319, 4863
planning 198, 702, 4318, 4319, 4863, 5771, 5909
Growth habits 886, 893, 1325, 1360, 1689, 1761, 1780, 2349, 2366, 2390, 2974, 3495, 3612, 3725, 3727, 3728, 3793, 4401, 4402, 4624, 4873, 4874, 4875, 4954, 5309, 6016
reviews 4405
Growth regulators 355, 3998, 4088
abscisic acid 342, 5537
auxins 4956, 5534, 6031, 6534
benzimidazole 4705
benzyl tetrahydropyranyl adenine 4213
benzyladenine 1557, 1565, 1594, 3364, 3385, 3388, 4975
benzylaminopurine 1154, 1577, 2735, 5893
catechol 5875
cytokinins 5051, 5085
dikegulac 92
ethephon 1557, 4975
ethylene 3767
ethylene ethylcrotonyl diether 2733
gibberellins 67, 338, 354, 904, 1369, 1557, 1562, 2733, 3003, 3364, 3769, 4218, 4695, 4705, 4975, 5893, 6030, 6031, 6043, 6044, 6215, 6297, 6534
Growth regulators *contd.*
hormones 394
IAA 1557, 1821, 2735, 2739, 3383, 4416, 5334, 5534, 5875, 6614
IBA 106, 1573, 2143, 2145, 2735, 2738, 2739, 2986, 3383, 3388, 4092, 4218, 4701, 4975, 5877, 5893, 6298, 6299
indolepropionic acid 5877
indolepyruvic acid 5877
inhibitors 6031, 6534
kinetin 106, 3364, 5333
NAA 67, 354, 1572, 1577, 2143, 2735, 2739, 2986, 2994, 4092, 4701, 5877, 5893, 6030, 6299
role in physiology 342, 394, 904, 1821, 2386, 2983, 2984, 2994, 3767, 4452, 4975, 5334
succinic acid 2733
TIBA 4975
zeatin 1572
2,4-D 67, 1154, 5333
Growth rings 1691, 2834, 2981, 2982, 2983, 2984, 6019, 6494
Growth stresses 4943
Guangdong
Catopsilia pomona 6687
Mesoneura rufonata 521
Guarea tuberculata 2329
Guatemala
Aristolochia 6047
Bocconia vulcanica 6005
forest litter 3623
Guazuma ulmifolia 3665, 4787
Guignardia aesculi 5603
Guignardia laricina 1801
Guignardia leptolepis 479
Gujarat
arid regions 4252
choice of species 1877
communal forestry 565
energy resources 2705
fuel plantations 2705, 2711
land use 565
shelterbelts 3244
synecology 1877, 2440, 4444
vegetation types 2440
Gutierrezia sarothrae 5416
Gymnosporangium clavipes cupressi 3905
Gymnosporangium cunninghamianum 3905
Gymnosporangium cupressi 3905
Gymnosporangium fuscum 3905
Gymnosporangium juniperi-virginiana 4487
Haematoloma dorsata 3127
Haematoxylon brasiletto 4787
Hail damage 839
Hakea gibbosa 3466
Hakea saligna 3443
Hakea sericea 3466
Hakea suaveolens 3466
Halimium 1296
Halisidota argentata 3155
Haloxylon aphyllum 3919
Haloxylon persicum 2436
Halyomorpha halys 5081
Halyomorpha picus 493, 974
Hamamelidaceae 5516
Hamamelididae 4957
Hamamelis virginiana 4208
Hammada elegans 2436
Haplormosia monophylla 3746
Hardwickia binata 3129
Hares 546, 547, 1465, 2185, 5158, 5615, 6163
Harmonia axyridis 2560
Harpephyllum caffrum 5332
Haryana, catchment areas 4110
Hawaii
Botryosphaeria dothidea 5612
deforestation 1869
fungus diseases 972
growth habits 3612
insect pests 3935
Metrosideros polymorpha 2726
plant disorders 5541
vegetation, history 1869
wind 3612
Health 2115, 3202, 3341, 3714, 3975, 4114, 4632, 4671, 6110
Heartwood
anatomy 5999
development 2374, 5999
methodology 5504
physiology 2374
Heartwood *contd.*
tests for 5504
Heat injury 2897
Hebei, *Saperda populnea* 5136
Hebeloma 423
Hebeloma crustuliniforme 413, 3071
Hebeloma cylindrosporum 3870, 4458
Hebeloma pusillum 3073
Hebeloma sacchariolens 3874
Hedgerow trees and timbers, books 7
Hedges 2228, 3030, 4044, 4081, 4563, 5223, 5385, 5760, 6802
books 7
Hedya nubiferana 2518
Height classes 773
Height measurement 776, 1677, 3557, 3590, 4792, 4804, 5395
Heilongjiang
Dioryctria mongolicella 2523
planting stock 106
Helicobasidum mompa 449
Helicopters 1024, 2189, 2360, 4747
Helix aspersa 1970
Helminthosporium 1392
Hendersonia 3912
Herbaria 362, 3012
Herbicide application 3428, 4257, 5370, 6250 (*see also* Site preparation, chemical treatment; Thinning, chemical treatment)
aerial application 116, 723, 731, 1622, 3475, 3477, 3479, 3510
economics 116, 4114
effect on diseases 482
effect on ecology 538, 731, 1174, 1469, 1625, 4015, 4024
effect on water composition and quality 3480, 6493
equipment 4263, 5374, 6344
machines 4265, 5374
methodology 112, 120, 722, 724, 725, 726, 728, 730, 1626, 1662
persistence 1174, 1622, 2331, 2774
phytotoxicity 111, 113, 114, 726, 727, 1323, 1624, 2379, 2775, 2776, 2777, 2781, 2783, 3469, 3471, 3475, 3476, 4737, 5904, 5905, 6355, 6356
pollution 118, 1622, 2202, 2331, 3288, 3480, 6353
residues 3477
safety 39, 1159, 2202, 4114, 4263, 6353
testing 4737, 4738, 5375
toxicity 39, 1172, 2774, 4114
Herbicides 2785, 3998, 5370
aminotriazole 114, 1609, 1627, 3478, 4738, 4739, 5907
ammonium sulphamate (AMS) 1627, 3464, 3474, 4261
As compounds 1159
asulam 726, 1171, 1627, 4736
atrazine 114, 1172, 2776, 3221, 5371, 6333
bifenox 2203
books 4114
bromacil 2196, 3474, 4735, 6343
cacodylic acid 3480
calcium cyanamide 2190
chlorthal-dimethyl 727
chlorthiamid 1171, 2776
dalapon 1625, 2776, 4733, 5371, 6333
dazomet 4739
DCPA 3288
'DFX 3674-A' 725
dicamba 540, 1171, 1972, 2778, 4259, 5725, 5726
dichlobenil 1172, 2776, 4733
dichlorprop 3475, 3478, 6349
dimethylmorpholine chloride 111
diquat bromide 6195
diuron 2777
'DPA' 4738, 5726
ethidimuron 2778
fenoprop 1622, 3288, 4734
fenteracol 1172
fenuron 3474, 5371
fosamine 119, 1173, 3288, 6345
glyphosate 120, 726, 728, 729, 730, 731, 1171, 1172, 1174, 1175, 1469, 2331, 2779, 2786, 3288, 3444, 3464, 3469, 3470, 3478, 4258, 4259, 4733, 4735, 5372, 6334, 6344, 6345, 6347, 6348, 6352, 6353, 6355

Herbicides *contd.*
hexazinone 724, 725, 726, 1172, 1173, 2778, 2781, 2783, 2784, 3288, 3472, 3479, 4738, 4740, 4741, 4742, 5372, 5725, 6333, 6350, 6351, 6493
lenacil 4739
linuron 2782, 4739
MCPA 113, 119, 2331, 6353, 6355
metolachlor 2785
mineral oils 2773, 4736
monolinuron 1172
MSMA 3480
napropamide 727, 2203
neburon 4739
oryzalin 726, 2785, 2786
oxadiazon 2782
oxyfluorfen 727, 2203, 2782, 2785, 5905
paraquat 482, 2811, 3177, 3519, 4733
phenoxy compounds 4114
picloram 1169, 1170, 1171, 1622, 2774, 2778, 3221, 3288, 3473, 3474, 3477, 4015, 4262, 4735, 4736, 5725, 5726, 5727, 5730, 6342, 6763
prometryne 727, 1172, 5371
propyzamide 2776
'R-23 758' 727
simazine 726, 1609, 2777, 2786, 4738, 5907, 6348
TCA 3474
tebuthiuron 2196, 2778, 5725, 5728, 5729, 6343
terbuthylazine 5373
terbutryne 5907
'TFP' 5904
triazines 2196, 5905, 6356
triclopyr 723, 729, 1170, 1174, 1175, 2331, 2774, 2778, 3288, 3472, 3475, 3476, 3477, 4262, 5726, 6346
2,4-D 534, 730, 1170, 1174, 1622, 2331, 2379, 2774, 2775, 2779, 3221, 3464, 3471, 3474, 3476, 3477, 3478, 4024, 4259, 4261, 4262, 4734, 6334, 6342, 6349, 6355
2,4,5-T 39, 113, 534, 540, 1169, 2331, 3288, 3428, 3431, 3464, 3471, 4024, 4259, 4261, 4734, 4735, 4736, 4737, 5725, 5726, 6342, 6349, 6763
Heterobasidion annosum
assessment 6643
biology 2476, 2478
control 2476, 4488, 4489
damage by 1393, 1921, 1925, 2477, 4340, 4980
ecology 1395, 1925, 2985, 3080, 5047
effect on growth 1393
effect on physiology 955, 5057
inhibitors 3080
interactions with fungi 2478
physiology 6639
resistance to 952, 955, 957, 5053, 6496, 6634
reviews 5055
role of wounds 6630
Heterocampa guttivitta 1008
Heteromeles arbutifolia 1339
Heterorhabditis heliothidis 5706
Heteroseiulus aceris 2554
Heterotermes 2503, 6100
Hevea brasiliensis 619, 4803
Hexamermis 1428
Heydenia unica 3986
Hibiscus 2319, 3024
Hibiscus rosa-sinensis 5334, 5369
Hibiscus syriacus 2236
Hieronyma chocoensis 2116, 2117, 2163
Hilarographini 3954
Himachal Pradesh
Abies pindrow 2761
erosion 554, 6783
landslides 554
nursery management 2761, 6312
Pinus roxburghii 3851
provenance trials 4221
seed 2136
soil conservation 4039
soil water 4385
vegetative propagation 3386, 3387
Hippophaë rhamnoides 1347, 1378, 2481, 3070, 4050, 4096
Histology 4406
History
air pollution 1248
History *contd.*
Austria 5839
bibliographies 1114
books 1103, 2040, 2638, 3270, 3276, 4129, 4609
conferences 4152
deforestation 4145
dendrochronology 5810
Fagus sylvatica 1316
forest administration 1532, 5844
forest ecology 1103
forest fires 1114, 1118, 1127, 1284, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1496, 1497, 1498, 1773, 4600
forest management 2080, 5839
forest ownership 27
forest policy 2683, 5839
forest surveys 1303
forestry 20, 22, 2090, 2091, 3270, 3325, 4112, 5273, 5274, 5281, 5282
France 1531, 1536, 2080, 2090, 2676
genetics 6056
German Democratic Republic 5268
German Federal Republic 5844, 5846
India 2683
Japan 27, 5273, 5274, 5275
Kyushu 3325
land use 1308, 1482, 3319
Mediterranean Countries 2638
methodology 1303, 1310, 1312, 1313, 1498
nursery management 4168
pollen 4
silvicultural systems 98
silviculture 2080, 5275
societies 3277
Spain 4995
species trials 46
stand characteristics 3321
terminologies 1118
United Kingdom 98, 1087, 4168
vegetation 3795
vegetation types 1358
wind damage 4345
yield tables 6421
Hoheria 3081
Hokkaido
Abies sachalinensis 4314, 5584, 5927, 5929, 5930
air pollution 5465
ants 6107, 6137
Aphididae 6107
arboreta 6200
biomass production 5927
Cinara bogdanowi ezoana 6686
Clethrionomys rufocanus bedfordiae 6159
cooperatives 5291
Dendrolimus superans 506
diseases of trees 967
Drosophilidae 6139
education 5280
erosion 5962
erosion control 5766, 5767, 5768
forest administration 5280
forest ecology 6107, 6121, 6122
forest ownership 217, 563
forestry 5280, 5281
Formicidae 6107
Fraxinus lanuginosa 5934
fungi 5600
fungus diseases 5600
hares 6163
history 5281
hydrology 6176
land use 5187, 5188, 6192
landslides 5962
Lepidoptera 6121, 6122
mixtures, growth 177
Physokermes jezoensis 5096
private forestry 217, 5291
remote sensing 5951, 5952
roads 5766, 5767, 5768
rural economy 5187, 5188
snow damage 5962
spacing 4728
species trials 5862
stand characteristics 3534, 5413
succession 5960
volcanoes 5489
voles 6156
Hokkaido *contd.*
wind damage 5960
Holigarna grahamii 773
Holmskioldia sanguinea 3742
Holoptelea integrifolia 2860
Homoptera 3934
Honduras
afforestation 1064
birds 3231
catchment areas 1064, 2181, 2597, 2598
contour ridging 2604
controlled burning 5490, 5491
economics 2599
Eutachyptera psidii 5652
fertilizers 4273
fuel plantations 2599
land use 2597, 2598
Pinus 3832, 5016
Pinus caribaea 4273, 4998
Pinus oocarpa 4998
soil conservation 1064, 2597, 2604
vegetation types 3832
Honey 4797
Honeybees 5179
Honeydew 1426, 4797
Hong Kong
amenity forests 5850
forestry 5850
forestry development 5850
vegetation types 4891
Honshu
Abies veitchii 3772, 3773
Acacia mearnsii 1558
afforestation 4655
air pollution 3690, 3691, 5468, 5986
Alnus hirsuta sibirica 4729
amenity forests 5224
bamboos 2814
biomass production 173, 2838, 2840, 3553, 3554, 3569, 4824, 4825
Camptotheca acuminata 3554
catchment areas 5488, 5750, 5751, 5752
Chamaecyparis obtusa 149, 2889, 3528, 5405, 5407, 5899, 5923, 5969
choice of species 5120, 5132
community forestry 5420
cooperatives 214
coppice 2835
Cryptomeria japonica 3533, 3536, 5341, 5405, 5924
dunes 3833, 4052
erosion 5173
Fagus crenata 223, 383
farm woodlands 1898
fertilizers 2744, 2746, 3402, 4888, 5878, 5880, 5882, 5885
flora 5551
forest administration 215
forest fires 5494
forest litter 2916, 4882, 4884, 4886, 4887, 4888, 6459
forest management 3576, 5420, 5421, 6425
forest ownership 214, 216
forest statistics 5398, 5399
forestry 5273, 5274, 5282, 6155
forestry development 566
hares 5158
history 5282, 6058
hybrids 4683
Hyphantria cunea 5692
insect pests 494, 1960, 5120
insecticides 1462
labour 4673, 4730, 5282
land reclamation 5178
landslides 4555
Lindera umbellata 4963
mice 2581
mixtures 4767
mycorrhizas 5028
natural regeneration 173, 3432, 3433, 3436, 3439, 3441, 4716, 4992, 5360, 5361
nature conservation 6155
nematodes 5132
nitrogen cycle 223
noise 5487
nutrient cycles 1762, 1763, 3660, 3661, 3662, 5632
palaeoecology 4997, 6058
phenology 316, 317
Phyllostachys bambusoides 4816
Pinus densiflora 6514

Honshu *contd.*
plant ecology 316, 317
plantations 5430
private forestry 4274, 4649, 4655, 4730, 5420
provenance trials 5317
Quercus myrsinaefolia 2835
remote sensing 2878, 5426, 5427, 5428, 5430
roads 371, 3026, 5173, 5174, 6425
seed 1558
shelterbelts 5761
silvicultural systems 3543
silviculture 4274
site types 374
snow damage 1738, 1739, 2895, 4867, 5674
soil formation 223
soil types 5971, 5975, 5976
soils 5178
stand characteristics 3439, 3529, 3532, 3543, 4805
streams 5746
street trees 2622
succession 371, 3026, 3786, 3789, 5457
synecology 372, 374, 382, 383, 1898, 3786, 3804, 3817, 3818, 3834, 5174, 5551
Thecodiplosis japonensis 3181
tree breeding 6079
urban and suburban forestry 5224
vegetation 4997, 6058
vegetation types 2840, 3818, 3833, 5457, 5746, 5975, 5976, 6155, 6559
voles 6160, 6161
water composition and quality 2745
wildlife 4017, 4018, 4019
wilts 5131
wind 5957
yield tables 5419
Hopea beccariana 5890
Hopea helferi 5890
Hopea jacobi 6547
Hopea nervosa 5890
Hopea odorata 5890
Hoplocerambyx spinicornis 2545
Hoplolaimus galeatus 4514
Hormones, plant (*see* Growth regulators, hormones)
Horses 1831, 1832
Horsfieldia 3078
Horsfieldia irya 5556
Howard Rotavator 3465
Hubei
deforestation 2684
erosion 2684
flora 2684, 3037
Metasequoia glyptostroboides 3037
synecology 3037
Huberodendron patinoi 2117, 2163
Humidity 1219, 4940
Humus 3628
chemistry 1748, 3625
decomposition 4889, 4896, 6476
effect of fires 4889, 6515
fauna 1215, 3639
measurements 224, 1213, 4354, 4889, 4894, 5442, 5446
moisture relations 2592, 5452
nutrients 2762, 4910, 6564
phytotoxicity 273
Humus, incorporated (*see* Soil chemistry, organic compounds)
Hunan, *Cunninghamia lanceolata* 3636
Hungary
afforestation 2220
biographies 2075
Carulaspis juniperi 3928
Cerambycidae 5664
Corythucha ciliata 3988
education 638
forest statistics 4169
history 638
Homoptera 3934
information services 638
nursery management 1172
Phyllobius argentatus 1016
Robinia pseudoacacia 4275
site preparation 2186
virus diseases of trees 2495
Hunting 571, 1058, 1466, 1467, 1995, 5148, 6168
Hyalophora cecropia 2527
Hybridization 389, 399, 402, 936, 1526, 1907, 2444, 2453, 3379, 3847, 3855, 3857, 3861, 3864, 4296, 5585, 5590, 6088, 6089, 6238
Hybrids 73, 406, 931, 1899, 1900, 1908, 2128, 2450, 2717, 2797, 3045, 3062, 3065, 3350, 3357, 3845, 3855, 3857, 3859, 4683, 5018, 6077, 6086, 6588
Hydnangium carneum 1384
Hydria prunivorata 4520
Hydrology 6, 2596, 2972, 4031, 4033, 4034, 5169, 5755, 6172, 6780
books 5
land use 594, 2593, 4028, 4553
methodology 6169
research 552, 1472
reviews 1475, 5748
simulation 4554, 5250, 6170
Hylastes 1940
Hylemyia anthracina 1561
Hylobates klossii 4537
Hylobiinae 2536
Hylobitelus 2536
Hylobitelus abietis 3203, 6705
Hylobitelus pinastri 2536, 6709
Hylobius abietis 392, 1961, 3203, 6709, 6746
Hylobius piceus 6709
Hylobius pinastri 2536
Hylotrupes bajulus 5668
Hylurdrectonus araucariae 1941
Hylurgopinus rufipes 3896
Hymenaea courbaril 2117, 2163, 4787
Hymenoptera 3684
Hyperchiria incisa 3135
Hyphantria cunea 2522, 4526, 4527, 5141, 5692
Hyponomeuta (see *Yponomeuta*)
Hyposotes 506
Hypotermes obscuriceps 2501
Hypoxylon atropunctatum 460, 2901
Hypoxylon mammatum 459, 5304
Hypsipyla grandella 3941, 5251
Hypsometers (*see* Height measurement)
Ice damage 4105
Iceland
forestry 20
history 20
Icerya aegyptiaca 3124
Ichneumonidae 2522, 2564, 3974, 6113
Idaho
amenity forests 5788
Cervus elaphus 5736
Choristoneura occidentalis 2525, 6690
Coleophora laricella 3182
Cronartium coleosporioides 6662
deer 5736
Dendroctonus ponderosae 1436
erosion 864
fire danger 2356
forest fires 1297
grazing 6752, 6760
ground vegetation 6760
history 1297
insect pests 1005
land use 5788
nutrient cycles 442
Pinus monticola 2137
Pseudotsuga menziesii 4987
root and butt rots 3887
rust diseases 2484
streams 1474
synecology 2441, 5455, 6760
vegetation types 442, 1297, 2441, 6760
wildlife 5740
Ilex 6810
Ilex aquifolium 5791
Ilex shennongjiaensis 2684
Ilex vomitoria 4346, 5728, 5729, 6758
Illinois
amenity and recreation areas 4102
arboriculture 5222
Carya 776
catchment areas 2000
erosion control 2962
forestry, sociology 637
height measurement 776
hydrology 3242
land reclamation 5776, 5778
land use 2002
mining wastelands 5776, 5778
nutrient cycles 853, 2933
ornamentals 4487
Illinois *contd.*
Pinus echinata 795
Pinus taeda 796
provenance trials 2455, 5308
Quercus 776, 1928
rust diseases 4487
site class assessment 795, 796
soil chemistry 2914
succession 1889
synecology, layer structure 1897
urban and suburban forestry 5795
vegetation types 1885
volume tables 145
water composition and quality 1999, 2002
weight tables 145
wilts 1928
Improvement fellings 1177, 3472, 4267, 5897
Improvement planting (*see also* Underplanting)
Increment 1612, 4633, 5966, 6778
basal area 690, 743, 2267, 2836, 4778, 6358, 6396, 6412
books 2050, 2641
conferences 5415
diameter 154, 178, 179, 181, 182, 574, 683, 689, 692, 746, 790, 794, 890, 1091, 1177, 1695, 2208, 2260, 2262, 2266, 4807, 6407, 6413
Abies 4314
Agathis 6411
Anogeissus 4812
Chamaecyparis 4802
Cryptomeria 2834, 4233, 4802
Cryptomeria japonica 4867
Fagus 3545, 6405
Fraxinus 5222
Gmelina 5189
Liriodendron 5222
Picea 5463, 6399, 6447
Pinus 3403, 3764, 4245, 4273, 4301, 5484, 6399, 6415, 6472
Platanus 5222
Populus 2804, 5303
Prioria 2265
Quercus 1628, 3516
Santalum 6456
Shorea 4821
Simarouba 4778
Tectona 4810
Ulmus 4593
equations 743, 1694, 1696, 1697, 2257, 2260, 2836, 2844, 3306, 3560, 3568, 4245, 4314, 4809, 5932, 5935, 6235, 6403, 6407
forecasting 194, 801, 1691, 3568, 3573, 4162, 4314, 4809, 5405, 5411, 5413, 5418, 6117, 6403, 6419
height 179, 183, 186, 790, 890, 5474
Abies 4720, 4817
Anogeissus 4812
Cryptomeria 4233
Fagus 3545, 6405
Fraxinus 5310
Phyllostachys 4792
Picea 4771, 5891
Pinus 2317, 2448, 3046, 3403, 4273, 4809, 4876, 5305, 5315, 5316, 5350, 5371, 6383, 6417
Platanus 5306
Populus 2804, 5303
Quercus 1890, 3560
Simarouba 4778
Tectona 4810
measurements 177, 384, 1690, 2262, 2818, 2835, 3534, 3543, 3764, 4234, 4728, 4744, 4810, 4812, 5407, 5413, 5910, 5929, 5930, 5931, 5933, 5934, 6326
methodology 2050, 2834
simulation 19, 194, 1518, 1703, 2073, 2208, 3306, 4811, 4813, 5259, 5260, 5411, 5418, 5837, 5932, 6235, 6403, 6407, 6414, 6440
statistical methods 178, 2150, 4162, 4249, 4807
systems analysis 141
theoretical aspects 2386, 2849, 3306, 3307, 3566, 3568, 4811
value 6440

Increment *contd.*
variations 186, 794, 1177, 1692, 1769, 2208, 2258, 2266, 2836, 3613, 6399, 6411
volume 183, 185, 687, 790, 793, 815, 1320, 1696, 1697, 2257, 2267, 2800, 3392, 3406, 3427, 3540, 3545, 3552, 3568, 4249, 4715, 4812, 4822, 5305, 5410, 6117, 6412, 6418, 6440
weight 1196, 2804, 3546, 4825, 5937
Increment boring 1691
Increment tables 743
Indarbela quadrinotata 507
India
Acacia nilotica telia 3743
agroforestry 619, 2021, 2610
air pollution 2347
Albizia lebbek 3066
Armillaria mellea 4248
bamboos 367, 2235, 2815, 6602
Barleria 2421
Casuarina equisetifolia 4684
classification 2691
climbers 6211
community forestry 3252, 4173, 5276
conferences 2695
decay fungi 3866
deforestation 4173
Diospyros melanoxylon 2234
Dipterocarpaceae 4118
Dipterocarpus 4279
Eligma narcissus indica 4500
energy resources 2695, 2704
exotics 4248
extension 619
fertilizers 2751
flood control 4045
forest inventories 2285
forest policy 2682, 2683
forestry 4173, 4650
forestry development 2682
fuel plantations 2704, 2706, 4173, 4684
fuels 647, 2704
fungi 4464, 4465
fungus diseases 2493, 3111
Fusarium semitectum 6672
genetics 2444
history 2683
information services 2691
insect pests 3119, 3997, 4515
Isoptera 5635, 6101, 6680
lac 4296
Leucaena leucocephala 4791
linear plantations 3252
mycoplasmal diseases 4486
mycorrhizas 421
nature conservation 367, 1487
ornamentals 6211
periodicals 1
Pinus 2722, 2769, 2770, 4248
plantations 2769, 2770
Prosopis spicigera 3743
provenance trials 2722
rotations 2277
rural economy 647, 2704, 5276
shelterbelts 4045
soil pollution 2347
Symplocus 6561
taxonomy 6211
tree breeding 2444, 3837
trees 5469
vegetation 2347
volume tables 2831
wildlife 4025
wind damage 4045
Xyleborus 520
Indiana
Aedes triseriatus 3975
amenity and recreation areas 6807
Bursaphelenchus lignicolus 1034
chemical constituents of plants, organic compounds 1847
fishes 3238
fuel plantations 6257
health 3975
insect pests, damage by 1957
land use 6806
stand characteristics, structure 1868
weed control 6345
Indicator plants 1242, 1246, 2441, 2636, 3028, 3633, 3635, 4891
Indonesia
agroforestry 1084, 2017, 4121, 5182, 5198
bamboos 6045
bibliographies 5819
deforestation 6063
Dipterocarpaceae 1102
diseases of trees 973
edible species 5394
education 4185
energy resources 648
Eucalyptus urophylla 2413
extension 6228
forest inventories 825
forestry development 2687
Freycinetia 6051
Gonystylus bancanus 1182
history, bibliographies 1515
hydrology 2596
international cooperation 2687
Isoptera 982
land use 5197, 6187
maps 6213
Metroxylon 5394
monkeys 4537
natural regeneration 825
nature conservation 614, 2025
nutrient cycles 2596
Pandanus 6051
Parasponia parviflora 5024
periodicals 1515
plantations 2596
Santalum album 753
seed production 61
shifting cultivation 6063
Smilax 4788
succession 6063
synecology 4537
taungya 2017, 4121
vegetation types 2596, 4537, 6063, 6213
volume tables 171, 780, 781, 782, 783, 6389
wildlife 5149
Information services 37, 638, 644, 1120, 1137, 1146, 1479, 1513, 1545, 1547, 2691, 3336, 3339, 3984, 4153, 5289
Inga edulis 5179
Inheritance (*see* Genetics, inheritance)
Injection of trees 120, 722, 975, 976, 1159, 1170, 1418, 1958, 2196, 3472, 4377, 5144, 5689, 5710
Inonotus dryophilus 3893
Inonotus glomeratus 5607
Inonotus obliquus 2479
Inonotus trigueter 2473
Inonotus weirii 1926, 2474, 2817, 2985, 3110, 3887, 6640
Inosteostemma seoulis 5141
Insect pests 592, 1940, 3928, 6096 (*see also* Bark beetles; Wood borers)
attractants 503, 508, 1425, 1431, 2039, 2532, 2534, 2545, 3177, 3186, 3192, 4002, 5103, 5697, 5703
decenol 5648, 6109
disparlure 2511, 2569, 3202, 5646
dodecadienal 3183
dodecenal 3183
dodecenyl acetate 1036, 1432, 2520
ethanol 1958
grandisal 3172
grandisol 3172
heneicosenone 6731
hexadecenyl acetate 3204, 6115, 6116
pheromones 6749
terpenes 1958
tetradecanal 3945, 6735
tetradecenal 2516, 3185, 3945, 6735
tetradecenyl acetate 1432, 2513, 3193, 3945, 6115
tetradecyl acetate 3945
tridecenyl acetate 1432
biology 5380, 5630, 5669
Acantholyda 6712
Acleris 6699
Adelges 5095, 6683
Aradus 3123
Arge 2551
Argyresthia 6111
Barbara 2517
Bruchophagus 3117
Catopsilia 6687
Cecidomyiidae 5679
Cerina 3827
Insect pests *contd.*
biology *contd.*
Choristoneura 2524, 3145, 3946, 6691, 6693, 6694, 6696
Chrysomela 2547
Chrysophtharta 5114
Chuaspis 3128
Coleophora 6109
Coleoptera 1023, 1435
Crinocraspeda 5653
Cryptococcus 2509
Cydia 1434
Dendroctonus 4503
Dendrolimus 6120
Dioryctria 6695
Diprion 1451, 6711
Ditula 5654
Eligma 4500
Epirrita 5678
Gilpinia 3924
Halisidota 3155
Haplocerambyx 2545
Hemiptera 492, 986, 987, 1426
Hymenoptera 1025, 1032
Hyperchiria 3135
Ips 3171, 4503
Janetiella 5129
Lepidoptera 499, 507, 996, 1003, 1005, 1008, 1009
Lepidosaphes 6102, 6103
Lymantria 3950, 5646
Malacosoma 1949
Monochamus 3176, 3178
Neodiprion 5125, 6711
Operophtera 3943
Orgyia 5647
Panolis 2528
Perthida 6698
Petrova 3156, 5104
Phoracantha 2548
Phycitidae 3117
Phyllobius 2544
Phyllonorycter 3130
Phyllophaga 2538
Pissodes 5118, 6125, 6126
Prociphilus 6682
Pseudaulacaspis 6681
Pulicalvaria 6111
Pygaera 3160
Rhagoletis 1420
Sacchiphantes 3125, 5095
Semanotus 1959
Synanthedon 3156
Tenthredinidae 5678
Thaumetopoea 6688
Thecodiplosis 5141, 6138
Tomicus 3164, 6136
Tortrix 3134
Zeiraphera 3131
books 3, 1505, 2039, 3269, 5227
British Columbia 6097
conferences 4620, 5251
control 635, 636, 2039, 2680, 3118, 3184, 3518, 3918, 4001, 4140, 5160, 5235, 5690, 6099, 6149, 6721, 6743, 6744 (*see also* Biological control, insect pests)
by *Beauveria* 3208
by Chrysopidae 6106
by Hymenoptera 990, 991
by *Neoaplectana* 5137
by *Steinernema* 4512
of *Acantholyda* 6712
of *Andricus* 3116
of Aphididae 6106
of *Arge* 2551
of *Argyresthia* 3987, 3999
of *Biston* 3205
of *Blastophagus* 5115
of *Catopsilia* 6687
of *Cephalcia* 4512, 4517, 4518
of *Choristoneura* 1952, 3137, 3141, 3149, 3150, 3151, 3153, 3154, 3190, 3191, 3194, 3198, 3684, 3956, 3984, 3992, 4523, 4524, 5140, 5145, 5705, 6737, 6747
of *Chrysobothris* 4504
of *Chrysomela* 2547
of Coleoptera 362, 980, 1024, 1051
of *Contarinia* 3995
of *Corythucha* 3988
of *Crinocraspeda* 5653
of *Curculio* 3116, 5146

Insect pests *contd.*
control *contd.*
of *Cydia* 3116
of *Dendroctonus* 4530, 5720, 6141
of *Dichomeris* 3949
of *Dioryctria* 5693, 6725
of *Diprion* 1451
of *Dirades* 1969
of *Dothistroma* 2491
of *Elasmopalpus* 1427
of *Elatobium* 6722
of *Eutectona* 3208
of Geometridae 5721
of *Gilletteella* 6722
of Hemiptera 3124
of *Hylobius* 1961, 3203, 6746
of Hymenoptera 521
of *Hyphantria* 2522
of Lepidoptera 495, 496, 499, 530, 531, 990, 991, 992, 1004, 1011, 1038, 1039, 1040, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1052, 1430, 6749
of *Leptoglossus* 3994, 6725
of *Lymantria* 1459, 1461, 2511, 2557, 3989, 3996, 4516, 4519, 5135, 5139, 6113, 6153
of *Melolontha* 5716
of *Monochamus* 6151
of *Neodiprion* 1458, 2559, 3198, 5125
of Noctuidae 2531
of *Odontotermes* 1425
of *Orgyia* 3189, 3198, 3981, 3982, 6731
of *Otiorhynchus* 3985
of *Panolis* 5703
of *Paranthrene* 5137
of *Phoracantha* 2548
of *Phyllobius* 2544
of *Rhyacionia* 2520, 5694, 5703
of *Scolytus* 2567
of *Selepa* 3997
of *Shirahoshizo* 1960
of *Sirex* 1972
of *Steraspis* 6098
of *Tetyra* 6725
of *Thaumetopoea* 2515, 6098, 6688
of *Thecodiplosis* 5142, 5689
of *Tomicus* 6708
of *Tonica* 1463
of Tortricidae 3200, 5721
of *Tortrix* 3199
of *Xanthogaleruca* 4000
of *Xyleborus* 4504
of *Zeiraphera* 5656
damage by 12, 1323, 1941, 2497, 2623, 3118, 3922, 3923, 4140, 4884, 4887, 5088, 5089, 5090, 5109, 5245, 5540, 5669, 6099, 6149
Acaudaleyrodes 3129
Acleris 6699
Altica 5670
Anacamptodes 5639
Aphidoidea 3126
Aphis 2508
Arge 2551
Catopsilia 6687
Cenopis 3945
Choristoneura 1516, 2525, 3137, 3138, 3139, 3140, 3141, 3146, 3154, 3159, 3261, 3947, 3951, 3956, 5651, 6123
Coleoptera 362, 1016, 1423, 1957, 4505
Cryptococcus 2510
Cydia 3942
Dendroctonus 1953, 3261, 3596, 3967, 5720
Dichomeris 3949
Dioryctria 2523, 6695
Diptera 525
Ditula 5654
Dothistroma 2491
Elasmopalpus 1427
Eulachnus 3937
Euproctis 6110
Gilpinia 3924
Haematoloma 3127
Hemiptera 986, 1426
Hylobitelus 6705
Hymenoptera 523
Hyphantria 2522
Lambdina 5658

Insect pests *contd.*
damage by *contd.*
Lepidoptera 494, 505, 509, 1002, 1005, 1008, 1010, 1012, 1423, 5102
Leucoma 2530
Lophyrotoma 2552
Lygus 3929
Lymantria 3158, 3589, 3938, 4856, 6112, 6153
Neodiprion 1450
Novacastria 6703
Oporinia 5105
Orgyia 3982, 6731
Otiorrhynchus 2546
Paraclemensia 3944
Paranthrene 5137
Phyllobius 2544
Phyllocnistis 3132
Phytobia 6714
Pissodes 2127, 5118
Prociphilus 6682
Pyrrhalta 3962
Resseliella 1452
Semanotus 5674
Solenopsis 3180
Systena 2533
Thysanoptera 983
Tomicus 6136
Trioza 1947
Yponomeuta 2521
Zeiraphera 3131, 5656
detection 504, 1972, 3917, 5245
disease vectors 493, 974, 1015, 1399, 1453, 1964, 2497, 2567, 3895, 3975, 4486, 5081
distribution 517, 997, 1022, 1026, 2506, 3927, 3935, 3936, 3938, 3970, 5652, 5656, 5661, 6104, 6105, 6119, 6693, 6713
ecology 506, 987, 1005, 1032, 1942, 1960, 1977, 2508, 2518, 2528, 2626, 3119, 3917, 4494, 4505, 4920, 5142, 5627, 5628, 5678, 6180, 6230, 6689, 6696, 6708, 6709
economics 3147, 4856
effect on growth 2544, 3138, 3540, 3947, 4499, 4506, 5628, 6447, 6685, 6686
effect on physiology 526, 4416, 5105, 5650
Ernobius 5669
feeding inhibitors 3179, 4967
feeding stimulants 1000, 3973, 4496
forecasting 1953, 2532, 3118, 3946, 5651, 6705
history 3144
hormone treatments 1037, 1040
host relations 492, 510, 516, 985, 1000, 1441, 1956, 2499, 2507, 2518, 2527, 2533, 3030, 3115, 3133, 3134, 3136, 3918, 3919, 3921, 3934, 3955, 3969, 4493, 4496, 4501, 4620, 4967, 5088, 5095, 5098, 5111, 5112, 5127, 5128, 5524, 5629, 5638, 5643, 5650, 5672, 6024, 6124
identification 2539, 3920, 4498, 5091, 5640, 5655
introduced species 980, 4530
laboratory rearing 1425, 2524
legislation 4530
maps 3141, 3954
methodology 512, 992, 1007, 1029, 1424, 1950, 1951, 2524, 2525, 3939, 3940, 3984, 4495, 5107
parasites 988, 1015, 4525, 5695
of *Aspidiotus* 5097
of *Blastophagus* 5115
of Cerambycidae 5687
of *Chrysomela* 2547
of *Chrysophtharta* 1438
of *Coleophora* 3182
of *Dioryctria* 6695
of Hymenoptera 1042
of *Janetiella* 5129
of Lepidoptera 497, 498, 506, 998, 1031
of *Lymantria* 1428, 6113
of *Malacosoma* 2514
of *Monochamus* 6131
of *Neodiprion* 5706, 6142
of *Physokermes* 5096
of *Pristiphora* 5706
of *Pseudaulacaspis* 6681
of *Saperda* 5136

Insect pests *contd.*
parasites *contd.*
of *Thecodiplosis* 5141
periodicals 2623
physiology 2547, 4501, 6103
population dynamics 491, 1561, 3148, 5101, 5627, 6749
Bupalus 5099
Cameraria 1950
Choristoneura 3137, 3145, 3154, 3939, 3940, 5140, 5642, 6690, 6693
Cinara 2505, 2507, 5637, 6686
Coleophora 6692
Coleoptera 510, 1951
Corythucha 3930, 3931
Dendrolimus 5099, 5100
Dioryctria 2519
Diprion 6711
Diptera 524
Epirrita 4497
Gilpinia 6729
Hemiptera 984
Hymenoptera 522, 1027, 1029
Lambdina 5658
Lepidoptera 494, 500, 506, 989, 994, 997, 1007, 1429, 1951
Lymantria 3158, 3938, 4665, 5099, 6112, 6113, 6148
Malacosoma 2514
Monochamus 5112, 6131
Neodiprion 6711
Nuculaspis 5638
Orgyia 5099
Pissodes 6125
Shirahoshizo 1960
Thecodiplosis 3181
Tortrix 6114
Yponomeuta 2521
predators 989, 995, 2514, 2547, 4525, 4533, 5115, 5670, 5692, 5695, 5707, 5711, 6131, 6682, 6717, 6718, 6722, 6734, 6736
repellents 6141
research 635, 636, 1457, 3114, 5703
resistance to 392, 526, 1260, 1422, 1423, 1442, 1948, 3132, 3292, 3929, 3933, 3959, 3964, 4497, 4501, 5094, 5107, 5110, 5127, 5296, 5525, 5649, 5662, 5671, 5672, 6124, 6496, 6684
reviews 489, 1971, 5641, 6721
simulation 502, 5111, 5112, 5629, 5672, 6114
spread 517, 2504, 2511, 2512, 2525, 2550, 3178, 4530, 5141, 5631, 6697
statistical methods 2539, 3140, 3931
sterilization 4515
taxonomy 1946, 2536, 3932, 3935, 3954, 5679, 6105, 6126, 6710
terminologies 1433
trapping 362, 490, 508, 997, 1029, 1972, 2522, 2532, 2567, 2569, 3193, 3952, 4526, 5103, 5648, 5710, 6108
Insecticide application 1940
aerial application 1011, 1024, 1044, 1046, 1047, 1048, 1049, 1226, 1462, 3137, 3140, 3149, 3151, 3157, 3190, 3191, 3194, 3992, 4522, 4523, 4524, 5139, 6141, 6724
economics 1046, 3199, 6149
effect on ecology 527, 1041, 1045, 1050, 1226, 3150, 3188, 3194, 3200, 3684, 3981, 5699, 5742, 6732
effect on water composition and quality 1045, 5698
equipment 3982, 5708, 6141
methodology 992, 1460, 5835, 6743
persistence 1462, 1968, 2559, 5140, 6737
phytotoxicity 1973, 3995, 6150, 6745
pollution 527, 1041, 1048, 1462, 1968, 3206, 3700, 5698, 6151
research 5235, 5705
residues 1226, 1462, 5743, 6151
safety 4519, 6743
simulation 3201
testing 531, 999, 1035, 1037, 2561, 3981, 4522, 5143, 5144, 5689
toxicity 1045, 1430, 3150, 3700, 5743
Insecticides 3149, 3151, 3982, 3997, 3998, 6149, 6743
acephate 992, 1035, 1045, 1430, 2531, 3201, 3700, 4687
additives 1459, 5708, 5743, 6737
aldicarb 1970, 5143

Insecticides *contd.*
aldrin 982
aminocarb 1041, 1226, 3994, 5698, 5743
azinphos-methyl 3994
bacterial preparations 530, 1004, 1038, 1045, 1050, 1460, 1461, 2511, 2557, 3137, 3187, 3191, 3194, 3949, 3989, 3992, 3996, 4140, 4523, 4524, 5135, 5139, 5140, 5656, 5708, 5716, 6153, 6724, 6726, 6732, 6737, 6747, 6748
BHC 287
bioethanomethrin 3994
carbaryl 521, 529, 992, 1024, 1035, 1045, 1050, 1427, 1463, 1973, 2511, 2531, 2561, 3188, 3190, 3201, 3684, 6687
carbofuran 1427, 1463, 3985, 3994, 5143, 6687, 6725
'Carbutox' 6153
chlordimeform 1969, 3192, 5693
chlorpyrifos 529, 2561, 3994
chlorpyrifos-methyl 3190
cypermethrin 6153
DDT 531, 5656
decamethrin 2531, 2551, 3994, 3999, 6153
deltamethrin 2551, 3994
diazinon 1427, 1970
dichlorvos 521, 1969
dieldrin 982
diflubenzuron 1037, 1430, 1460, 2511, 3117, 3200, 3203, 3996, 5694, 6742
dimethoate 521, 2544, 5144
disulfoton 1970, 5143
endosulfan 1970
fatty acids 3995, 6722
fenitrothion 521, 1035, 1462, 1960, 1968, 1973, 2544, 3116, 3127, 3157, 3206, 3996, 5140, 5699, 6150, 6151, 6153, 6745
fensulfothion 1427, 1958
fenthion 3996
fenvalerate 2551, 3994, 5693
gamma-BHC 1463, 5656
heptachlor 982
isothioureas 2562
lindane 1961, 2811, 3127, 3188, 3192
malathion 521, 1430, 3994
methamidophos 5144
methomyl 1035, 3994
methoprene 1037
methoxychlor 1024
methyl bromide 1440
mexacarbate 531
monocrotophos 1969, 3124, 5144
omethoate 5144, 5689
oxydemeton-methyl 5689
parathion 1427, 5693
permethrin 1024, 1035, 1037, 2551, 2561, 3190, 3994, 5693, 5742, 6153, 6687
phosalone 5144
phosmet 3994
phosphamidon 5140, 5144, 5689
pirimiphos-methyl 527
plant products 2228, 3518
pyrethrins 521, 531, 2551, 3988, 4529
quinalphos 1969
resmethrin 3994
reviews 4529
'Salithion' 6745
soaps 6722
sulprofos 1035, 4522
systemic 5710
tetrachlorvinphos 3999
thiodicarb 1035, 4522
trichlorphon 521, 1038, 1045, 1451, 2557, 5716, 6687
triflumuron 1037, 3203
vamidothion 5144, 5689
virus preparations 999, 1039, 1459, 2559, 4519, 5702
Insolation, damage 4094
Insurances 6247
Integrated control, fungus diseases 960
Interception of precipitation (*see* Precipitation, effect on hydrology)
International cooperation 1248, 2077, 2078, 2687, 6242
Investment (*see* Finance, investments)
Ionizing radiation
damage 3711, 5990
uses 55, 518, 1151, 1152, 3375, 5332, 5834, 6080
Iowa
economics 564
land use 564
Ipomoea fistulosa 1805
Ips 4947, 6127
Ips acuminatus 514, 1022, 3169
Ips amitinus 1020, 1444
Ips avulsus 519
Ips calligraphus 4503
Ips cribricollis 4947
Ips duplicatus 532
Ips grandicollis 965
Ips paraconfusus 2543, 3165, 3965
Ips sexdentatus 514, 515, 3167, 3169, 6135
Ips subelongatus 5673, 6748
Ips typographus 2568
attractants 532, 2572, 3196, 5121
ipsdienol 2570, 2571, 2573
typolure 2573, 2575
verbenol 1446, 2570, 2571, 2573, 2575
biology 3171, 6702
control 532, 2570, 5121
disease vectors 6652
effect on growth 6447
forecasting 1444
methodology 2572
parasites 3266
population dynamics 6447
predators 3196
trapping 1020, 1446, 2570, 2571, 2572, 2573, 2575, 3196
Iran
biological control 4000
insect pests 3921
shade trees 4000
Tamarix 3921
Ulmus boissieri 6049
Xanthogaleruca 4000
Iraq
damping off 1398
nursery management 1398
yield tables 1199
Ireland
deforestation 3322
dendroclimatology 4594
forest management 6421
fuel plantations 5254
land use 3322
Larix leptolepis 3606
Picea sitchensis 3606, 6364
Pinus contorta 3606
Quercus 4594
urban and suburban forestry 5815
vegetation types 5791
yield forecasting 6422
yield tables 6421
Irian Jaya, insect pests 5661
Iridomyrmex 5628
Irrigation 1279, 1647, 2010, 2323, 5569, 5856, 6435
economics 41
effect on soils 3621, 4256
with industrial wastes 1659
with sewage 6500
Irritant properties of wood 3341
Irvingia gabonensis 5499
Isopogon ceratophyllus 948
Isoptera 1940, 2503
attractants 1943
biology 3122, 3925, 5093, 5636
control 982, 1944, 3925, 5704, 6733
damage by 982, 1945, 6100, 6101
ecology 1945, 2502, 3121, 3624, 3631, 3926, 5390, 5634, 5635, 5636
identification 2501, 5092, 5633
pests, plants 3120, 6680
Israel
afforestation 5856
air pollution 867
bark beetles 1013
books 2049
choice of species 5856
Cupressus arizonica 5866
Cupressus arizonica glabra 5866
dendrochronology 6201
Eucalyptus camaldulensis 662, 5865, 5916
Eucalyptus occidentalis 5917
fertilizers 5856
fire control 5994
flora 2049
forest fires 1771
forest recreation 4079
Israel *contd.*
forestry 5829
hydrology 228
insect pests, control 6098
insecticides 5710
irrigation 5856
Matsucoccus josephi 3932, 6105
nursery management 5856
ornamentals 5710
Orthotomicus erosus 1447
Pinus halepensis 2434, 5017, 5864
plant water relations 6059
Platypus 3960
provenance trials 662, 2124, 5017, 5865
Quercus boissieri 5438
Quercus calliprinos 5438
Seiridium cardinale 5616
soil types 5864, 5964
species trials 2125, 5866
Tamarix aphylla 6059
Thaumetopoea wilkinsoni 6118, 6119
Thysanoptera 3927
Tomicus piniperda 6136
transpiration 5438
vegetation types 2443, 6067
weed control 5907
Italy
Adelgidae 2506
Arge enodis 2551
biological control 483
biomass production 2694
climatology 1210
coppice 1161, 1194, 2694
Cossus cossus 5645
Cryphonectria parasitica 483, 5074, 5625
dendrochronology 5225
diseases of trees 3902, 4474
fire control 2357
fire suppression, aerial methods 3722
fuel plantations 2694
fungus diseases 5603, 5624
Gonipterus scutellatus 980
Lymantria dispar 499, 6112, 6113
mycorrhizas 6612
nutrient cycles 6486
Oncopsis 6104
ornamentals 5603
Phoracantha semipunctata 980
Seiridium cardinale 1405, 3095, 6658
tree breeding 6666
Verticillium albo-atrum 3086
Ivory Coast
forestry 2095, 5829
natural regeneration 3435
provenance trials 4198
vegetation types 2095, 3824
Jacaranda acutifolia 3020
Jacaranda copaia 2116, 2117, 2163
Jacaratia dolichaula 1775
Jamaica
biomass production 4437
catchment areas 5162
forest litter 4438, 4439
Heterobasidion annosum 2477
soil conservation 5162
vegetation types 4437, 4438, 4439
water conservation 5162
Jammu and Kashmir, forest resources 3328
Janetiella coloradensis 5129
Japan
Abies mariesii 5560
Abies sachalinensis 5932
Acacia 5980
air pollution 287, 1258, 6494
amenity and recreation areas 3260
Aspidiotus cryptomeriae 5097
bamboos 533
bark beetles 6132
bears 4534, 5157
biomass production 1109, 1603, 5828, 5982, 6406
Bursaphelenchus xylophilus 3438
catchment areas 550, 3239, 4554, 5754
Cecidomyiidae 5679
Chamaecyparis obtusa 4727, 4802, 5433
conferences 2658
coppice 1603, 5433
Cronartium ribicola 3906
Cryptomeria japonica 181, 921, 1682, 4802
Dasychira argentata 496
deforestation 4145
economics 5434

Japan *contd.*
erosion 5172
evaporation 4357
Fagaceae 923
fertilizers 2151, 2742, 2743
flood control 4552, 6175
forest litter 2915, 3622, 5445
forest ownership 27
forest policy 1528
forest recreation 3260
forest resources 1529
forestry 1528, 2680, 3327
frost injury 5959
frost resistance 1808
geology 4554
history 27, 921, 5275
hybrids 3045
hydrology 3239, 4554, 6175
Hylobiinae 2536
information services 37
insect pests 3178, 5637
insecticides 3206, 6150, 6151
labour 5292
land reclamation 6171
Larix leptolepis 218
Lentinula edodes 5391, 5392, 5393
Lymantria dispar 1428
Melampsora 5069
mixtures 2839
Monochamus alternatus 505
national parks 3260
natural regeneration 101, 1607, 3438
Neodiprion sertifer 522
nursery management 5353
nutrient cycles 2932
palaeoecology 921
Pinus densiflora 3326, 5933
Pinus thunbergii 3326, 5365, 5366
planting stock 5889
protection forest 4552
provenance trials 2715
pruning 738
Quercus acutissima 5433
Quercus serrata 6571
rail transport 3512
remote sensing 4848
roads 2887, 5172
runoff 4554
rust diseases 3913
Schizotetranychus 5680
shelterbelts 2311
Shirahoshizo rufescens 510
silviculture 3327, 5275, 5434
site class assessment 3557
snow damage 1737, 2896, 3611, 4344
stand characteristics 151, 368
succession 368, 912, 5558
synecology 5560
Thaumatographa eremnotorna 3954
Thecodiplosis japonensis 525
thinning 737, 3512
torrent training 551, 2602
tree breeding 1910, 3043, 5869, 6084
vegetation 533, 921
vegetation types 5560, 6571
volume tables 1682
weed control 5904
wildlife, damage by 546
wood borers 6133
work studies 4672
yield forecasting 191, 1702
Jasminum 4408
Jiangxi, *Oligonychus punicae* 5130
Jordan, *Pinus halepensis* 2434
Jubaea chilensis 1360
Juglandaceae 1872
Juglans 2841, 3063
Juglans cinerea 12, 1026, 3063
Juglans cordiformis 3063, 3857
Juglans hindsii 3063
Juglans major 3063
Juglans mandshurica 2032, 3063, 3737, 3857, 4217
Juglans mandshurica* × *J. regia 3859
Juglans microcarpa 3063
Juglans nigra
allelopathy 3069
bark, chemistry 3341
conferences 12
control 4262
diseases 12
foliage 5621
seedlings 1389
Juglans nigra *contd.*
fertilizers 2190, 6348
flooding 3654
genetics 3063
greenhouses 1595
hybridization 3857
insect pests 12
Hymenoptera 1026
irritant properties of wood 3341
mycorrhizas 414, 3867
nurse and auxillary species 3069
nursery management 698, 1595
photosynthesis 3760
planting stock 698, 3419
rootstocks 2495
seed, storage 4691
site preparation 1609
stand characteristics, structure 1868
stem forms, crook and sweep 1661
tree breeding 5588
weed control 1609, 2190, 6348
wood properties 4380
Juglans regia
diseases
dieback 4474
viruses 2495
genetics 3063
hybridization 3857
hybrids 3859
insect pests, Aphidoidea 3936
plant morphology 3737
plantations in, German Federal Republic 3506
seed, germination 1565
silvicultural characters 2225
silviculture 2225, 3506
stand characteristics, structure 2246
vegetative propagation 64, 1565, 2495
Juglans regia* × *J. sieboldiana 3857
Juglans sieboldiana 3063, 3857
Juglans sinensis 4217
Julbernardia 1917, 3825
Julbernardia globiflora 6342, 6343
Junco hyemalis 3700
Juniperus 311, 1387, 1970, 2134, 3928, 3949, 4520, 5005
Juniperus ashei 3231
Juniperus bermudiana 6570
Juniperus chinensis 1394, 4424
Juniperus communis 596, 1053, 2143, 2320, 3820, 4433, 4547, 4596
Juniperus conferta 4981
Juniperus deppeana 3215
Juniperus excelsa 2152, 2766, 4228
Juniperus foetidissima 3413
Juniperus monosperma 2703, 3215, 3216
Juniperus occidentalis 800, 3029, 5730
Juniperus osteosperma 539, 1723, 2431, 6468
Juniperus pinchotii 1974, 5725
Juniperus polycarpos 3413
Juniperus procera 5277, 6576
Juniperus sabina 1394
Juniperus semiglobosa 232, 3351
Juniperus seravshanica 232
Juniperus silicicola 1427
Juniperus squamata 3953
Juniperus turkestanica 232
Juniperus virginiana 985, 4251, 4424, 4487, 6181
Juvenility 1579, 2974, 4702, 5335, 5662, 6297
Kabatina juniperi 1387
Kalimantan, remote sensing 2298
Kalmia 63
Kalopanax pictus 5465
Kalotermitidae 6100
Kansas
energy resources 2709
flooding 3654
fuel plantations 2709
Karnataka
community forestry 6804
deforestation 4145
diseases of trees 1927
Eutectona machaeralis 3208
Ficus nervosa 6391
fungus diseases 3886
Hopea jacobi 6547
increment 2262, 6412
Mastixia arborea 6390
nursery management 696
planting 696
Karnataka *contd.*
stand characteristics 773
Symplocus laurina 6392
Vateria indica 165
vegetation types 2262, 6412
virgin forest 773
volume tables 165, 6390, 6391, 6392
Kazakh SSR
Aegeriidae 3268
Alnus glutinosa 1870
biomass production 6400
nature conservation 1870
predators of insect pests 3267
provenance trials 1553
synecology 1870
vegetation types 3036
Kennedia coccinea 3877
Kennedia prostrata 3877
Kentucky
biomass production 3559, 4908
birds 4015
fertilizers 2004
forestry 30
herbicides 4015
mining wastelands 3559, 5772, 5774, 5777, 5779, 5780, 6617
old and fossil wood 3749
Phomopsis alnea 6664
pollution 299
pulpwood production 1660
seed 1871, 6664
Kenya
agroforestry 4631, 6294, 6800, 6802
arid regions 4252
energy resources 4680
ethnobotany 4784
fuel plantations 4192, 4679
fuels 4679
land use 6800
Leucaena leucocephala 6802
monkeys 1986
Monochaetia unicornis 3900
provenance trials 4192
remote sensing 4847
seed 6294
Kerala
Cylindrocladium 1388
Eucalyptus 1388
Eucalyptus grandis 192
Isoptera 1425
land use, planning 1083
medicinal plants 3757
nursery management 6627
yield tables 192
Kerria lacca 2236
Keys 1512, 2989, 3008
Khaya nyasica 3456, 3457
Khaya senegalensis 3681
Kielmeyera coriacea 675, 890, 5328
Kingiodendron pinnatum 773
Kinos 6641
Kirgiz SSR
Adelges lapponicus 6683
afforestation 3351, 3517
hydrology 2595
Juglans regia 2246, 3737
minor forest products 3517
Oligonychus ununguis 6715
Pineus pini 6684
seed orchards 3368
site preparation 3368
stand characteristics 2246
Klippmyran feller 4281
Knots 4743
Kochia prostrata 1977
Koelreuteria paniculata 2948
Korea Republic
air pollution 289, 4369, 4922, 4923, 4924
bamboos 4792
biomass production 4310
Castanea crenata 4172
Cerambycidae 2541
choice of species 4922
climatology 4982
Cronartium ribicola 6673
Cryptomeria japonica 388
Dendrolimus spectabilis 5100
diseases of trees 480, 481
erosion control 557, 558, 5170
fertilizers 77
forestry 5185
fuel plantations 4310
fungus diseases 457

Korea Republic *contd.*
galls 5143, 5144
hybridization 402
hybrids 3845, 4698
Hyphantria cunea 2522, 4526
insecticide application 5143, 5144
Juglans sinensis 4217
land reclamation 557
land use 5185
Larix leptolepis 160
mycorrhizas 420, 3875, 4456, 6615
Paulownia coreana 4924
Phyllactinia guttata 5076
Pinus 5141, 5142
Pinus densiflora 148, 160
Pinus koraiensis 148, 4982
Pinus rigida 48, 4878
Pinus rigida × *P. taeda* 936
planting 103
planting season 4725
Populus 128, 402, 406, 457
Populus × *canadensis* aggr. 161
predators of insect pests 4527
private forestry 4172
provenance trials 48
Sapindales 4407
soil physics 4878
stem forms, taper 160, 161
street trees 2522
suckering 4698
Thecodiplosis japonensis 524, 526, 5141, 5142, 5143, 5144, 5689
thinning 124
tree breeding 456, 3844, 3862
urban and suburban forestry 4369, 4922, 4923
volume tables 167
work studies 124
Korthalsia laciniosa 2816
Korthalsia rigida 760
Kotochalia junodi 1940
Kraschenninikova lanata 3209, 3215, 3219, 6757
Kydia calycina 2860
Kyushu
catchment areas 5753
Chamaecyparis obtusa 3848, 5909
coppice 5897
Cryptomeria japonica 3384, 3454
fertilizer application 5879
forest management 3614
forest recreation 4075
history 3325
nature conservation 4075
private forestry 3605
slopes 3614
species trials 5320
Thecodiplosis japonensis 6138
tree breeding 4448
vegetation types 5897
Labatia 5505
Labour 4643
bibliographies 1117
conferences 4632
economics 2303
forestry 38, 137, 767, 1117, 1208, 2016, 2104, 2114, 2303, 2692, 3342, 4186, 4187, 4669, 4673, 4730, 5282, 5292, 6247
research 1117
work studies 4672
Lac 2236, 4296
Laccaria 6615
Laccaria laccata 413, 2464, 3071, 5036, 5037, 6611
Lachnellula 967
Lachnellula flavovirens 2483
Lachnellula pini 2483
Lachnellula willkommii 462, 5618, 6096
Lachninae 3936
Lactarius 6615
Lactarius rufus 3072
Laelia monoscola 5640
Lake States (USA)
Abies balsamea 792
assortments and assortment tables 4806
biomass production 3541
Choristoneura fumiferana 3984, 6206
forest management 198, 607, 816
growing stock 2250
Odocoileus virginianus 1056
Picea glauca 792
Pinus banksiana 660
Lake States (USA) *contd.*
provenance trials 660
site class assessment 792
stand characteristics 2250
synecology 1855, 2037
tree breeding 2063, 5244
vegetation types 1855, 2037
yield forecasting 193
Lama guanicoe 5156
Lamachus coalitorius 6729
Lambdina fiscellaria 3143, 3145, 3157
Lambdina fiscellaria lugubrosa 5658
Lamia textor 5664
Lammas growth 4953
Land classification 651, 1080, 1484, 1485, 3025, 3603, 4059, 4139
Land clearance 3255 (*see also* Site preparation)
Land reclamation 556, 557, 560, 866, 5178
Arizona 4055, 4567
Atriplex 2011
Austria 1072
bibliographies 595
Bolivia 2103
Brazil 5763
California 4567
Colorado 2012
Czechoslovakia 4053
German Federal Republic 1072
Ginkgo 6792
Illinois 5776, 5778
Japan 6171
Mexico 4567
Missouri 5793
Montana 2010, 2607
Netherlands 5771
New Jersey 6792
Nyssa 6792
Picea 6792
Pinus 944, 4048, 4569
Populus 4053
Puerto Rico 3246
RSFSR-in-Europe 4048
South Carolina 4569
Sudan 4685
Switzerland 2608
Tennessee 4568
United Kingdom 559, 4049
Virginia 5775
Washington 5769
Wyoming 6756
Land use 627, 1482, 2616, 2639, 3251, 5005, 5187, 5188, 5191, 5785, 5786, 5787, 6186, 6190, 6230, 6806
bibliographies 594, 3284, 3285
books 2637, 3279, 5230, 5233, 6204, 6205, 6207
classification 2597, 5185
computer techniques 3254
conferences 14, 1121
economics 563, 564, 1085, 1479, 3249
history 1308, 3322
legislation 5788, 6189, 6204
maps 2609, 2637, 3319, 4060, 4139, 6433, 6434
methodology 5197
periodicals 2624
planning 570, 2283, 2612, 2637, 3254, 3284, 3792, 4139, 5197, 6204
Austria 6183
California 2018
Central America 1121
France 2637
German Democratic Republic 5230
German Federal Republic 2613, 4646, 6183
Honduras 2598
Indonesia 5197, 6187
Kerala 1083
Maine 1080
Mexico 1121, 4574, 4575
Michigan 1079
New Brunswick 585, 3254
Sahel 2642
Shikoku 4571
South Africa 1486
Sweden 6260
Tropics 3279, 5783
United Kingdom 6189, 6205
USA 1074, 1075, 1076, 1077, 1078, 1081, 1082, 1121, 1481, 2612, 3284, 3285, 4146, 6207
Western Australia 4605
Land use *contd.*
planning *contd.*
Western States (USA) 1479
policies 565, 570, 1076, 1077, 1087, 1121, 2022, 2637, 2675, 3249, 3791, 4058, 4166, 4654, 6189, 6192, 6205
relation to ecology 4572
relation to hydrology 2002, 4028, 5807
relation to site factors 2018, 2637, 5430
relation to soils 2018, 2022, 2637, 2946, 6803
simulation 1483, 4605
statistical methods 2612
systems analysis 4605
Landscape 580, 581, 1488, 1489, 2008, 2608, 2660, 3259, 3261, 3262, 3263, 3264, 4080, 4081, 4082, 4089, 4093, 4097, 4166, 4383, 4384, 4589, 5901, 6190, 6808
books 2628
Landscape ecology 639, 884, 1625, 2174
books 5230
reviews 5794
Landslides 554, 655, 2658, 4034, 4240, 4341, 4342, 4555, 5759, 5962, 6177, 6183
Lannea coromandelica 3345
Lantana camara 110
Lantana camara aculeata 3742
Lantana camara nivea 3742
Larix
chemical constituents 916
diseases
cankers 967
rust diseases 1412
fire effects 884
herbicides 1172
hybridization 5590
insect pests
Cingilia 4520
Coleophora 6692
Erannis 6124
Gilpinia 3924
Hymenoptera 523, 5123
Lepidoptera 994
Pristiphora 5123
Zeiraphera 6124
nursery management 1172
resins 916
seed, storage 4694
silviculture 2089
succession 884
taxonomy 916
tree breeding 5590
volume tables 4303
weight tables 4303
Larix czekanowskii 6238
Larix dahurica (see *Larix gmelinii*)
Larix decidua
afforestation 2606
air pollution 4466
assortments and assortment tables 744
biomass production 762
browsing damage 2587
cones, pests 1033, 6713
diseases 4466
foliage 5083
seedlings 5083
dust 272
fertilizer application 1581
flowering, induction 354
foliage, chemistry 1555, 5644
forest management 2279
genetics 930
girdling 354
growth regulators 354
hybrids 2797
insect pests
Coleophora 5648
control 6153
Diptera 1033
Lasiomma 6713
Zeiraphera 5644
mulching 354
nursery management, diseases 1923
plant ecology 1643
planting 2606
planting stock 1612, 4229
provenance trials 1555, 4944
salt injury 2346
silviculture 1643
soil toxicity 5473
species trials 661, 665, 3355
thinning 2797, 3604

Larix decidua *contd.*
tree breeding 5644
wildlife 543
wood 1643
Larix decidua* × *L. leptolepis 665
Larix* × *eurolepis 568, 2797, 3355, 3369
Larix gmelinii 15, 96, 102, 105, 106, 107, 2351, 4700, 6275, 6323, 6399
Larix gmelinii* × *L. sibirica 6238
Larix gmelinii olgensis 106
Larix kaempferi (see *Larix leptolepis*)
Larix komarovii 2437
Larix laricina 668, 930, 2594, 2976, 3048, 3179, 3355, 3372, 3588, 4105, 5325, 5618, 5903, 5947
Larix leptolepis
bark 5529
cambium 5517, 5518
chemical constituents of plants 1801
defects in wood 6079
diseases
decay in trees 2658
foliage 479, 6095
shoots 479, 1801
economics 3606
fertilizer application 1581
flowering 354, 5869, 6095
forest litter 5968
genetics 930
girdling 354
ground vegetation 1625
growing stock 5942
growth regulators 354, 4956
herbicides 1625
hybrids 2797
increment 5260, 5942
insect pests
Adelgidae 2506
Coleophora 5648
Lymantria 1428
mulching 354
nursery management 4226
nutrient deficiencies 3400
plantations in, Pennsylvania 3473
plantations on, dredgings 218
planting season 4725
ploughing 2772
provenance trials 2715
reaction wood 4956
roots, development 2772
seedlings 3615
shelterbelts 2311
shoots, development 332
soil chemistry 3615
soil physics 2336, 3615
soils 5555
species trials 661, 665, 3355
stem forms, taper 160
stems 5489
thinning 2658, 2797, 5942
tree breeding 6079, 6095
tree guards 6325
underplanting in, broadleaves 3473
vegetative propagation 6079
volcanoes 5489
volume tables 167
weed control 725
wind damage 2311, 5942
wood anatomy 5517, 5518, 6000
wood chemistry 5528, 5529
yield forecasting 5942
Larix occidentalis 410, 1063, 1305, 2512, 2940, 3047, 3182, 6692
Larix potaninii 1808
Larix sibirica
cambium 907, 6026
chemical constituents of plants 907, 6026
dendroclimatology 4104
direct sowing 2179
diseases, cankers 462
distribution 127
insect pests 5099
Dasineura 5128
Ips 6748
plantations in, Kirgiz SSR 3351
plantations on
mountains 3351
sloping sites 3351
site preparation 1615
species trials 665, 3355
stand characteristics 127
wood properties 4941
Larix sukaczewii 127, 1434
Larrea tridentata 885, 1876, 5565
Lasioderma serricorne 362
Lasiomma infrequens 6713
Lasiomma laricicola 6713
Lasiomma melania 6713
Laspeyresia strobilella 1561
Late wood (see Early and late wood)
Latex 2232
Latin America
agroforestry 2108, 5194
catchment areas 2108
education 4668
extension 2108
forestry development 2058
nitrogen cycle 3290, 4057
rural economy 2058
shifting cultivation 4057
training 4668
Latvian SSR
amenity and recreation areas 3264
Aradus cinnamomeus 5110
forest resources 2679
herbicides 5372
Pseudotsuga menziesii 4772
seed orchards 2132
Lauraceae 327
Laurelia philippiana 4240, 6069
Leaf fall (see Foliage, seasonal behaviour)
Leases 1539
Leaves, anatomy 328, 901, 1331, 1332, 1754, 1784, 1789, 1790, 1842, 2371, 2989, 3685, 3747, 3750, 4957, 5475, 5662, 6003, 6022, 6023 (*see also* Epidermis; Stomata)
crops 4790
development 1816, 4955
measurements 154, 158, 1332, 1678, 1686, 1776, 5613, 6023
methodology 1523
morphology 917, 940, 1332, 1336, 1815, 1842, 3685, 3747, 3750, 3865, 5011, 5094, 6003, 6022
physiology 940, 1335, 1339, 1340, 1523, 1816, 2993, 2998, 4424, 5538
shedding 309, 1332, 3623
Lebanon, *Thaumetopoea wilkinsoni* 5711
Lecanosticta acicola (see *Scirrhia acicola*)
Leccinum 6615
Lecythidaceae 360
Ledum palustre 4361, 6573
Legislation 768, 4336
Austria 268, 2105, 3332
bibliographies 5242
books 2052
Brazil 5566
Developing Countries 3333
Ecuador 4660
Equatorial Guinea 4661
German Federal Republic 32, 2052, 3331, 5854, 6247
Malaysia 597
Portugal 3323
reviews 634
South Carolina 4175
United Kingdom 4395
USA 1078, 1089, 2026, 2057, 2061, 2109, 5253, 5788, 5946, 6244
Leguminosae 327, 366, 435, 1379, 5190, 5208, 6004
books 2044, 2045
reviews 4640
Leleba (see *Bambusa*)
Lentinula edodes 450, 4298, 5391, 5392, 5393
Lepidocordia 1795
Lepidoptera 1423, 3115, 3136, 3222, 6121, 6122, 6749
Lepidosaphes ulmi 6102, 6103
Leptadenia pyrotechnica 1539
Leptoglossus corculus 3994
Leptographium gallaeciae 2472
Leptographium terebrantis 5606
Leptospermum 6607
Lepus americanus 547, 3235, 5615
Lepus brachyurus 546, 5158
Lepus europaeus 1465, 1991
Lepus timidus ainu 6163
Lepus townsendii 4562
Lesotho
Acacia 365
Eucalyptus 365
flora 365
Lespedeza cuneata 5773
Lespedeza cyrtobotrya 4310
Leucaena 5201
Leucaena diversifolia 6672
Leucaena glauca (see *Leucaena leucocephala*)
Leucaena latisiliqua 6295
Leucaena leucocephala 1187, 1188, 1684, 1927, 2261, 2599, 2721, 2731, 2902, 3250, 4201, 4216, 4250, 4292, 4787, 4791, 5295, 6311, 6528, 6672, 6802
Leucaena retusa 6285
Leucoma candida 5640
Leucoma salicis 2530, 5722, 6152
Leucostoma kunzei 4466
Lianes (see Climbers)
Liaoning, *Saperda populnea* 5136
Liberation fellings 701, 2208, 4748, 4749, 4750, 4780, 4821, 6320
Liberia, nature conservation 5734
Libocedrus 4958
Libocedrus bidwillii 4241, 4958, 5552, 6380
Libocedrus chilensis 1360, 5442
Libocedrus decurrens 5324
Libya
afforestation 2270
site class assessment 2270
Licania heteromorpha 6455
Lichens 265, 441, 863, 1259, 1896, 1980, 2577, 4446
Liechtenstein
forestry 2091
history 2091
Life forms 1510, 2366
Light 1209
canopy effects 2310, 2889, 2890, 2891, 3607, 4339, 4382, 4721, 5360, 6377, 6446, 6509
computer techniques 1770
effect on diseases 5622, 6668
light relations 1777, 5439
Betula pendula 1815
Calamus manan 4794
Ceratonia siliqua 1336, 1338
Coffea arabica 1338
Cornus florida 6758
Cryptomeria japonica 1825, 4234
Dyera costulata 1596
Fagus grandifolia 4977
Fraxinus americana 4977
Ilex vomitoria 6758
Juglans nigra 3760
Picea abies 2308
Picea glauca 908
Pinus banksiana 908
Pinus sylvestris 1692, 1776
Piper hispidum 2402
Populus tremuloides 4977
Pseudotsuga menziesii 6539
Sasa tokugawana 6406
Shorea roxburghii 6033
measurements 1732, 2310, 2889
relation to ecology 4240, 5360, 6055
relation to physiology 57, 908, 1338, 4452, 5533, 6033, 6306 (*see also* Photoperiodism; Photosynthesis; Seedlings, light relations)
simulation 3607, 4339
Lightning 1773, 3719, 4391
Lightwood (see Resin tapping)
Lignification 1326, 6010
Lignin 15
chemico-physical properties 4412
distribution 4406, 4962, 5520
relation to anatomy 4962, 6028
Ligustrum japonicum 3018
Ligustrum lucidum 4424
Ligustrum obtusifolium regelianum 5599
Ligustrum sinense 3018
Lindera benzoin 6052
Lindera glauca 1799
Lindera melissifolia 6052
Lindera subcoriacea 6052
Lindera thunbergii 3020
Lindera umbellata 4963
Linear plantations 3252, 4061, 4526
Liot penetrometer 1742
Liquidambar formosana monticola 1848
Liquidambar styraciflua
air pollution 2958
chemical constituents of plants 1225
diameter 775
fertilizers 3868
forest litter 847, 4890

Liquidambar styraciflua *contd.*
forest resources 1540
herbicide application 4024
mycorrhizas 414, 2947, 3867, 3868, 5598
nursery management 2169
nutrient deficiencies 5598
plant nutrition 1223, 2947
plantations in, Mississippi 1223
rotation 1225
soil cultivation 1223
volume determination 775

Liriodendron tulipifera
air pollution 2958
bibliographies 4135
cleaning 4743
climatology 2724
diameter 1681
fertilizers 1581, 2001, 5779
forest litter 5444, 6461
forest resources 1540
improvement fellings 4267
increment 5222
mycorrhizas 5599
natural regeneration 1605
nursery management 5599
plant water relations 1809
plantations in, Illinois 2923, 2926
plantations on, mining wastelands 5779
pruning 4743, 5378
site class assessment, by growth 188
site preparation 1609
soil fertility 2923, 2926
species trials 2724
stand characteristics 1606, 3574
stem forms 4300
stomata 4973
succession 1605
thinning 5378
transpiration 1809, 4973
tree breeding, genetic gain 6598
volume determination 784
volume tables 145, 784, 4300
weed control 1609
weight tables 145
wounds 5222
Liriodendroxylon multiporosum 1796
Litchi chinensis 5499
Lithocarpus densiflorus 1200, 1346, 3477, 6346
Lithocolletis (see *Phyllonorycter*)
Lithraea caustica 1360, 1364, 1423, 3668
Lithuanian SSR
Acantholyda posticalis 6712
assortments and assortment tables 169
biomass production 156
forest recreation 6197
Lymantria monacha 3996
natural regeneration 6319
Pinus sylvestris 2247
Pyraloidea 3955
stand characteristics 2247
Tortricidae 3955
Litsea wightiana 2262
Livistona australis 4270
Lixophaga mediocris 993
Lizards 1111
LMB tree planter 2807
Loans (*see* Subsidies)
Lobaria oregana 441
Logging
conferences 562
damage 793, 864, 865, 2790, 3686, 4231, 4351, 4367, 4990, 5896, 6359
effect on soils 1271, 1757, 2336, 2790, 2943, 2950, 4284, 4379, 4762, 4914, 4919, 6336, 6554
reviews 4766
losses 3548
relation to ecology 562, 4804, 4990, 5119, 6554 (*see also* Clear felling, effect on ecology)
relation to erosion 3683, 4038
relation to hydrology 562, 2005, 3683, 5748, 5755
relation to pests 6709
relation to terrain 4634, 4761
Lomatia dentata 6069
Lonchocarpus castilloi 4681
Lonchocarpus laxiflorus 3746
Longevity 4596
Longidorus 1347
Lonicera caprifolium 2733
Lonicera dioica 2733
Lonicera flava 2733
Lonicera glaucescens 2733
Lonicera henryi 2733
Lonicera hirsuta 2733
Lonicera japonica 3478
Lonicera prolifera 2733
Lonicera tatarica 1071
Lophanthera hammelii 5547
Lophira alata 2429
Lophira lanceolata 2429
Lophodermella arcuata 971
Lophodermella sulcigena 1411
Lophodermium conigenum 5077
Lophodermium pinastri 1416, 1932, 1933, 3102, 3909, 3911, 5077, 5298, 6670
Lophodermium seditiosum 1416, 1932, 5077, 6670
Lophopetalum wightianum 773
Lophyroplectus luteator 1042
Lophyrotoma interrupta 2552
Louisiana
Bursaphelenchus xylophilus 4513
controlled burning 882, 3453
extension 5435
fertilizers 2780
forest products industries 5435
fuel plantations 3346
grazing 5731, 6759
land use 627
nematodes 882
Nyssa aquatica 713
Pinus palustris 3453
Platanus occidentalis 3346
private forestry 627, 5435
provenance trials 3854
soil types 3680
thinning 5731
weed control 2780, 2783
Lupins 4910
Lupinus arboreus 559, 5764, 6364
Lupinus luteus 6364
Luxembourg
synecology 3812
vegetation types 3812
Lygidolon variegatum 1940
Lygus desertinus 1977
Lygus lineolaris 3929
Lymantria dispar
attractants 3202, 5646
biology 499, 1009, 3950, 5646
control 498, 499, 635, 636, 991, 1004, 1038, 1050, 1459, 1461, 2511, 2557, 2563, 3989, 4516, 4519, 5135, 5139, 6113, 6148, 6728
damage by 2497, 3118, 3158, 3589, 3938, 4856, 6096, 6112
distribution 3938
economics 4499
effect on growth 4499
effect on physiology 5650
host relations 4665, 5643, 5650
maps 3589
methodology 1006
parasites 498, 988, 1004, 1050, 1428, 4516, 6113
population dynamics 1006, 3938, 4665, 5099, 6112, 6113, 6148
predators 4516, 4521
resistance to 5649
reviews 1001, 5641
simulation 6148
spread 2511
Lymantria monacha 1460, 2569, 3952, 3996, 5643
Lymantriidae 5640
Lyonia lucida 375
Lyophyllum aggregatum 3870
Lyrurus tetrix 6165
Lysiloma divaricata 4787
Lysimeters 605
Macaca fascicularis 3236
Macaranga hypoleuca 1177
Macaranga indica 4409
Machilus kingii 3727, 3728
Machilus thunbergii 340, 2915, 4886
Maclura pomifera 4949
Macromphalia 1423
Macrophomina phaseolina 720, 3889, 6090
Macrotermes 2503, 5635
Macrotermes gilvus 982
Madagascar
Ascarina 914
Madagascar *contd.*
Tambourissa 1781, 1782
Madhuca butyracea 5499
Madhuca indica 5093
Madhya Pradesh
Aegle marmelos 4950
Asphondylia phyllanthi 3976
calorific value 3345
community forestry 4201, 4202
deforestation 4790
Diospyros melanoxylon 4790
energy relations 3345
forest ecology 379
fungus diseases 3889
Lepidoptera 5102
Leucaena leucocephala 4201
Odontotermes obesus 5093
Paulownia 4202
provenance trials 4201
soil biology 6464
species trials 4202
tree breeding 6601
Maesa tenera 3019
Maesopsis eminii 2116, 3078, 4696
Magicicada 985
Magicicada cassinii 2504
Magicicada septendecim 1942
Magnolia 1540
Magnolia acuminata 4300
Magnolia angulata 1796
Magnolia grandiflora 4095
Magnolia longiradiata 1796
Magnolia* × *soulangeana 2724
Magnolia virginiana 1857
Magnoliales 3751
Maharashtra
deforestation 4145
Firmiana colorata subglabra 2420
flora 3779
forestry 3324
forestry development 3324
national parks 3779
Maine
Abies balsamea 630, 889
Betula 666
biomass production 789
birds 4533
cableways 2810
Ceratocystis ulmi 4377
charcoal 629
choice of species 665, 666
Choristoneura fumiferana 1002, 1011, 1012, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1457, 1952, 3191, 3992
economics 630
exotics 665
fertilizers 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 3389, 3391, 3675
forest management 629
forest products industries 628, 630, 1457
forest resources 628, 629, 630
improvement fellings 3472
insecticides 1045, 1048
Lachnellula willkommii 5618
land classification 1080
land use, planning 1080
Larix 665
legislation 1952
Lymantria dispar 1009
Picea 630
Picea rubens 683, 684, 685, 686, 687, 688, 689, 690
Pinus strobus 692
Pissodes strobi 1023, 1024, 1435
private forestry 1043
research 1457
silvicultural systems 3427
thinning 689, 691, 733, 746, 789, 2810
waste wood 629
weed control 722, 723, 724, 1173, 1174, 1175, 3472
Makeri feller buncher 2788
Makeri harvester 755, 4782
Makeri tractor 122
Malacosoma americanum 1949
Malacosoma californicum 1007
Malacosoma disstria 2497, 2514, 3118, 3183, 3957, 6096, 6739
Malawi
agroforestry 6798
forestry 5829
Phoracantha semipunctata 3958
silviculture 3458

Malawi *contd.*
species trials 3458
Malaya
amenity and recreation areas 5216
biomass production 4819
canes and rattans 134, 1674
climbers 4430
deforestation 821
drought 838
edible species 4294
Eugeissona tristis 115
fertilizers 4706
fishes 2627
forest inventories 4719
forest litter 3622
forest management 820
forestry 2681
fungus diseases 3078
hunting 571
hydrology 552, 4553
insect pests 362
Isoptera 1945
mangrove forests 3236
mangroves 1858
Memecylon 3775
mycorrhizas 942
natural regeneration 4718
nature conservation 571, 2627
nursery management 1596
nutrient cycles 3670
palaeoecology 2627
palms 60
phenology 327, 2977
Pinus 886
Pinus caribaea 893, 4706
plantations 719
planting stock 5890
research 362, 552, 597
seed production 62
soil fertility 4706
stand characteristics 5003
street trees 2977
Tectona grandis 130
trees and shrubs 62
vegetation types 327, 2627, 4441, 4719, 5003
wildlife 3236
Malaysia
agroforestry 1054, 1073, 5190
amenity and recreation areas 5217
bamboos 6045
biomass production 4820
conferences 597
crown 4804
deforestation 1073, 2022
Dipterocarpaceae 1102
edible species 5394
education 4185
energy resources 648
fertilizers 4795
forest administration 597
forest management 597
forest policy 597, 648, 5232
forest resources 597, 1144
forestry 4171
forestry development 619, 1073
fungi 5043
Hevea brasiliensis 619
land use 2022
legislation 597
mangrove forests 5382
Metroxylon 5394
mining wastelands 2022
minor forest products 4124
national parks 4124
nature conservation 26
Pandanus 6051
pollution 26
provenance trials 4198
silviculture 4717
soils 4876
vegetation types 5004
wildlife 4124
Mallotus philippensis 2903
Malus baccata 4096, 6054
Malus domestica 3873
Malus floribunda 556
Malus ioensis 4487
Malus manshurica 6054
Malus orientalis 6054
Malus sieboldii 4096
Malus sieversii 6054
Malus sylvestris 6054
Malus tschonoskii 6300
Mammals 731, 1361, 4017, 4018, 4019, 5151
Mangifera indica 5499
Mangrove forests 3236
management 3033, 4442, 5382
Mangroves 452, 1858, 3024, 4108, 4440, 5116, 6488
bibliographies 4615
Manilkara bidentata 3246
Manilkara zapota 5499
Manipur, Isoptera 2501
Manitoba
diseases of trees 3922
insect pests 3922
Manure (*see* Fertilizers, animal products)
Mapping 208, 827, 1719, 1720, 2297, 2906, 3603, 4139, 4329, 4347, 4851, 4854, 5424, 6433
books 2048
Maps 2087, 2296, 2609, 3813, 4059, 4127, 4849, 4850, 5423, 5993, 6213
Marking, trees 1764
Marlea sinicum 2684
Marssonina brunnea 457, 466, 472, 2490, 5296, 6628
Marssonina populi 6667
Maryland
fertilizer application 5383
forest recreation 4078
mapping 208
nature conservation 4022
parasites of insect pests 993
Paulownia tomentosa 5383
provenance trials 5302
remote sensing 208
Rhyacionia frustrana 993
Thyridopteryx ephemeraeformis 6689
Mascarene Islands
Lecythidaceae 360
Sterculiaceae 360
Massachusetts
amenity and recreation areas 4579
biomass production 2325
catchment areas, hydrology 844
land reclamation 445
Lymantria dispar 5641
street trees 4100
urban and suburban forestry 4579
Massospora cicadina 2504
Mastixia arborea 6390
Mastotermes darwiniensis 3122
Mathematical methods (*see* Statistical methods)
Matsucoccus 1946
Matsucoccus feytaudi 3932, 3933
Matsucoccus josephi 3932, 6105
Matsucoccus resinosae 6728
Mauritia vinifera 5566
Maytenus magellanica 6069
Measurement of roundwood
computer techniques 2248
conversion tables and factors 1676, 2833
data processing 2248
equations 146, 159, 164
sampling techniques 2824, 5396
simulation 2204
standards 2824
systems 2204, 2248, 2253, 5400, 5401
theoretical aspects 1683, 2253
volume 142, 164, 1676, 2204, 2253
weight 142, 2248, 2833
Mechanization 1664, 3255, 3424
books 659
economics 830, 2806, 6253
planning 2132
Medicinal plants 132, 601, 1190, 1666, 3757, 3976, 4417, 4783, 4785, 5386, 6372
Mediterranean Countries
fire effects 1291
honey 4797
honeydew 4797
land use 1482
landscape 1489
Quercus 2973
silviculture 3329
site types 1111
soil biology 1215
Thaumetopoea pityocampa 6688
vegetation types 1111, 1325, 1358, 1482
Megastigmus strobilobius 1561
Meghalaya
biomass production 1892
Meghalaya *contd.*
browse 4003
ethnobotany 4785
fodder 4003
forest management 2869
growth habits 3727
hydrology 1894
medicinal plants 4785
mixtures 2869
mycorrhizas 4461
nutrient cycles 1893, 1894
Rhizoctonia solani 5054
shifting cultivation 4063, 4064
soil conservation 4063
succession 3727, 3728, 3793
vegetation types 1892, 1893
Melaleuca 3590
Melaleuca cuticularis 5486
Melaleuca leucadendron 5798
Melaleuca quinquenervia 2065, 2115, 2192, 2193, 2194, 2195, 2196, 2267, 2362, 2365, 2589, 2590
Melaleuca rhaphiophylla 5486
Melaleuca uncinata 1325
Melaleuca viridiflora 3821, 5798
Melampsora 5069
Melampsora allii-populina 6628
Melampsora amygdalinae 2488
Melampsora caryophyllacearum 1406
Melampsora larici-populina 1412, 1413, 1414, 1415, 1934, 3101, 4705, 5614, 6667, 6674
Melampsora medusae 472, 3103, 5065, 5068, 5072, 5622, 6668
Melampsora populnea 457, 466, 1820
Melastomataceae 3014, 4430, 6481
Melia azedarach 4120, 6017
Melia azedarach gigantea 2423
Melia azedarach japonica 5525
Melicocca bijuga 3020
Melocalamus compactiflorus 6602
Meloidogyne incognita 3977, 5684, 5686
Meloidogyne javanica 3977, 5686
Meloidogyne platani 1456, 5685
Melolontha hippocastani 5716
Melolontha melolontha 4506
Memecylon 3775
Memecylon edule 983
Menispermum canadense 2733
Menispermum dauricum 2733
Mensuration 3530, 4299, 4633
books 2629, 2641
conferences 136, 137, 762, 763
data processing 138, 144
Meria laricis 1923, 5083
Merremia 4258, 4259
Mesoneura rufonata 521
Mesopolobus 5676
Mesopolobus verditer 3182
Mesua ferrea 773, 2262
Metarhizium anisopliae 3926, 6733
Metasequoia glyptostroboides 2996, 3037, 4244, 5531
Meteorus hypophloei 3986
Metrication 1193, 1675
Metrosideros 5758
Metrosideros collina 5541
Metrosideros polymorpha 2726
Metrosideros umbellata 4978, 5552
Metroxylon, reviews 5394
Mexico
afforestation 4566
agroforestry 4575
arid regions 4255, 4567, 4574
Astrocaryum mexicanum 4427, 4428
bark beetles 4947
browse 4787, 6285
Ceratozamia kuesteriana 361
deforestation 4577
Dendroctonus frontalis 4528
Dioon edule 917
Eichleriella macrospora 5058
Euphorbia antisyphilitica 4798
exotics 4681, 4682
Eysenhardtia 3017
ferns 3273
fire effects 4947, 4948
flora 3272, 3273, 4985
fodder 4287, 4787
forest administration 4656
forest inventories 4323, 4838, 4839
forest statistics 4838
Fouquieria splendens 4951

Mexico *contd.*
fungi 4463, 6610
fungus diseases 5021
Gmelina arborea 4682
Heterobasidion annosum 5047
insect pests 4493, 4503, 4504, 5089, 5091
land reclamation 4567
land use 4574
maps 2296
minor forest products 4297, 4798
mistletoes 5021
mycorrhizas 5025, 6610
nature conservation 5153
nematodes 4507
Neodiprion fulviceps 5125
palms 4427, 4428
Petrova 5104
Pinus 4947, 6548
Pinus cembroides 2644
Pinus hartwegii 4814
Pinus oocarpa 4952
pollen, analysis 3796
pollution 4366
protection forest 4566
resin tapping 4290
Simarouba glauca 4778
site class assessment 4814
species trials 4681
stand characteristics 4985
training 4670
vegetation types 925, 2296, 3272, 3796, 5089
wildlife 5153
Mice 1063, 1469, 1983, 2581, 3465, 4023, 4211
Michelia champaca 2277
Michelia pilifera 3019
Michigan
biomass production 1658
Choristoneura fumiferana 500, 509, 3939, 3940
Christmas trees 6669
energy resources 3344
fertilizers 2749
fire 243
fire danger 877, 878
forest management 29, 1709
forest recreation 1095, 1097
ground vegetation 4445
Hamamelis virginiana 4208
hybrids 3062
land use 1079, 5787
Neodiprion lecontei 1450
nutrient cycles 243
Populus 1658, 5296
Populus alba 3062
remote sensing 4855, 5787
Rhabdocline 6669
site class assessment 1079
site types 919, 1079, 3028
snow 4855
succession 4445
synecology 3028
thinning 2790
tree breeding, breeding programmes 5574
urban and suburban forestry 1492
weed control 3479, 6347
Miconia albicans 3672
Miconia candolleana 888
Miconia centrosperma 5548
Miconia santaritensis 5548
Miconia stevensiana 5548
Microcerotermes crasseus 2501
Microcerotermes dubius 1945
Microclimatology 874, 1734, 4079, 4446, 6172, 6443
Microlepidoptera 5101
Microscopy 424, 3699, 3729, 3750, 4964, 5502, 5518, 6020, 6021
Microsphaera 3077
Microsphaera alni 5257
Microtermes 5635
Microterys sylvius 5096
Microthyrium amygdalinum 3912
Microtus 4211
Microtus agrestis 1990, 3233
Microtus montebelli 6160, 6161
Microtus oregoni 1469
Microtus pennsylvanicus 1983
Middle East, flora 6006
Mildews 5076
Millettia chrysophylla 3746
Millettia drastica 3746
Millettia extensa 2236
Milvus milvus 4545
Mimosa biuncifera 1974
Mimosa claussenii 5027
Mining wastelands 560, 3312, 4050
Alnus 3245, 3713, 4047, 5301
Arizona 4055
Atriplex 2011
Brazil 5763
Colorado 2012
Czechoslovakia 4053
German Democratic Republic 2155
Kentucky 3559, 6617
Malaysia 2022
Missouri 4436, 5793
Montana 2010, 2607
Northern States (USA) 1477
Ohio 5301
Oklahoma 4054
Pennsylvania 3245
Pinus 2155
Populus 4053
Pseudotsuga 4047
reviews 5770
Robinia 3559
RSFSR-in-Europe 4048
Tennessee 4568, 6617
United Kingdom 559
Virginia 5775
Washington 3713, 4047
Wyoming 6756
Minnesota
acid rain 2337
air pollution 4935
biomass production 786, 791
catchment areas 2324
Ceratocystis ulmi 4328
controlled burning 879
fertilizers 4222
fire danger 878
forest ecology 3782, 3783, 3784
forest inventories 3287
forest management 621, 1065
forest ownership 621
forest policy 622
forest recreation 1092
forest resources 631
fuel plantations 4137
ground vegetation 786
herbicide application 2774
legislation 634
natural regeneration 3430
Nectria cinnabarina 1410
nursery management 6660
nutrient cycles 242, 858
ornamentals 4101
palaeoecology 3794
peatland 694, 2324
Pinus ponderosa 667
plant nutrition 4906
Populus tremuloides 4906
precipitation 3610
private forestry 634
provenance trials 667, 2454
rabbits 4562
remote sensing 4328
root and butt rots 4468
shelterbelts 4043, 4562
soils 858
subsidies 3334
taxation 621
vegetation types 786, 791
volume determination 778
water composition and quality 1065
weed control 730, 3479
yield regulation 5945
yield tables 808
Minor forest products 3513, 4124, 4297, 4783, 6372
reviews 758
Minquartia guianensis 2117, 2163
Mississippi
Isoptera 3121
Liquidambar styraciflua 775
nutrient cycles 1225
plantations 1223
weed control 1223
Missouri
air pollution 6499
amenity and recreation areas 5793
birds 1057, 1989
land reclamation 5793
Missouri *contd.*
mining wastelands 4436, 5793
nutrient cycles 2003
Psilocorsis 2558
Quercus robur 669
urban and suburban forestry 1098
Mist (*see* Fog and mist)
Mistletoes 486, 5067, 5086, 6096, 6663
biology 977, 3113, 3915, 5085
control 487, 5626
ecology 485, 1935, 1936, 3112, 3113, 4492, 5021
economics 487
simulation 487
Misumenops tricuspidatus 5692
Mites 5227, 5680
Mixtures
computer techniques 2869
economics 1640, 2211
growth 177, 368, 1640, 1641, 1642, 2210, 2823, 3551, 3562, 4767, 5949
management 2869, 6401
silviculture 322, 856, 1642, 2210, 2211, 2796, 3498, 4767
statistical methods 2869
tree and stand measurements 183, 1641, 2839, 3498, 3551, 5949
Moghania macrophylla 4296
Moisture meters (*see* Soil water, measurements)
Moldavian SSR
fertilizers 89
nursery management 89
Mollusca 1970, 4435, 5116
Monarthrum fasciatum 1957
Mongolia, *Salix* 6061
Monkeys 1986, 3236, 4537, 5213, 6766
Monochaetia unicornis 3900
Monochamus 3118
Monochamus alternatus 505, 1015, 1955, 1958, 3176, 3177, 3178, 5120, 5131, 5251, 6131, 6151
Monochamus carolinensis 965, 1453
Monochamus galloprovincialis 5672
Monochamus urussovi 5111, 5112, 5672
Monocotyledoneae, books 1107
Monocotyledones 4147
Monosteira unicostata 5710
Montana
Choristoneura fumiferana 2529
Choristoneura occidentalis 2525, 4522, 5642, 6108, 6690
fire danger 2356
forest fires 1299, 1305, 1773
grazing 541
history 1299, 1305, 1773
land reclamation 2010, 2607
mining wastelands 2010, 2607
nutrient cycles 442, 2940
provenance trials 2123
Pseudotsuga menziesii 2123
site class assessment 6221
soil types 6221
synecology 1895
vegetation types 442, 1305
Moonia albimaculata 4486
Mor (*see* Humus)
Moringa 2444
Moringa oleifera 5499
Morocco
Acleris undulana 6699
Phoracantha semipunctata 6701
Mortality (*see* Stand characteristics, mortality)
Morus 6681
Morus alba 901, 1494, 2400, 3386, 3654, 4419
Morus rubra 2400
Moschus moschiferus 4542, 5735
Mosses 927, 1750, 1854, 1896, 3671, 3710, 4446, 5569
Mountain forests 1643, 4624, 4870, 6168
Mozambique
soil types 3647
vegetation types 3647
Mud flows 5171
Muehlenbeckia hastulata 1423
Mulching 354, 2183, 2185, 4101, 4251, 5220, 5772, 5780, 6784, 6802
Mull (*see* Humus)
Museums 638, 641

Mustela putorius 5159
Mycelium radicis atrovirens 4466, 5048
Mycoplasmal diseases 493, 974, 4486, 5082
Mycorrhizas 415, 4140, 6605
books 3283, 6214
chemistry 2469, 5037, 5597
conferences 4635
culture techniques 946, 3520, 3874, 4453
ecology 419, 421, 944, 945, 1382, 1386, 1478, 1751, 1917, 1919, 2231, 2465, 2765, 3068, 3073, 3871, 3872, 4459, 4461, 5028, 5033, 5034, 5038, 5231, 5595, 6611, 6617, 6618, 6623
effect of soil treatments 224, 413, 1751, 1914, 1920, 2159, 2947, 3072, 3867, 3868, 3875, 4711, 5035, 5594, 6606
effect on diseases 3884, 5036, 5037, 5350
effect on soils 1478
fungi 409, 410, 412, 413, 414, 417, 419, 420, 421, 423, 942, 943, 947, 1380, 1384, 1386, 1914, 1916, 1920, 2012, 2465, 2467, 2765, 3072, 3520, 3870, 3873, 3874, 3875, 3881, 4458, 5025, 5030, 5036, 5037, 6607, 6610, 6611, 6614, 6615, 6616, 6621, 6624
host specificity 410, 942, 1920, 2239, 3751, 3873, 3876, 5030, 5038, 6607, 6616, 6621
inoculations 408, 409, 412, 413, 414, 416, 418, 1380, 1381, 1384, 1916, 2172, 2226, 2464, 3071, 3076, 3867, 3873, 3875, 3881, 3882, 3883, 4454, 4455, 4456, 4458, 5594, 5596, 5598, 5599, 6604, 6608, 6612, 6613, 6614
methodology 424, 3283, 3882, 3883, 5031, 5597, 6233
morphology 422, 942, 947, 1382, 1918, 2466, 2467, 2470, 3074, 3880, 4460, 5026, 5027, 5031, 5033, 6609, 6616, 6622, 6624
nutrition physiology 945, 1318, 1383, 1915, 1918, 3073, 3870, 3871, 3876, 5029, 5032, 5033, 5593, 6620
reviews 411, 1386, 3076, 3879, 4635, 5034
water relations 2468
Mycosphaerella cryptica 470, 471
Mycosphaerella larici-leptolepis 6095
Mycosphaerella nubilosa 470, 471
Mycosphaerella parva 470
Myrciaria cauliflora 3020
Myriapoda 2522
Myrica cerifera 3674, 4346
Myrica gale 433
Myrica nagi 4957
Myrica pensylvanica 445
Myrica rubra 340
Myristicaceae 327
Myrtaceae 6570
Myrtus communis 1332, 1342
Myzia oblongoguttata 2505
Naemacyclus minor 1387, 1416, 6670
Nasutitermes 5634
Nasutitermes australis 3120
Nasutitermes ephratae 5634
Nasutitermes exitiosus 3926, 6733
Nasutitermes nigriceps 5634
National parks
Australia 4264
books 1502
Georgian SSR 1090
German Federal Republic 4073
Japan 3260
Maharashtra 3779
Malaysia 4124
New York 2020
Poland 863, 3222, 6679
Quebec 3828
RSFSR-in-Europe 1090
South Africa 4006
USA 598, 1089, 1502, 3709
Natural layering 1825, 1858, 4721
Natural regeneration 3428, 6457, 6605 (*see also* Coppicing; Natural layering; Seedlings; Suckering)
Abies 2764, 3439
Abies alba 185
Abies amabilis 4817
Abies lasiocarpa 2178
Abies mariesii 373, 3436, 5361
Abies veitchii 2995, 3436, 5360, 5361
Acer pseudoplatanus 3434
Natural regeneration *contd.*
Acer saccharum 1604, 3440
advance growth 2176, 2178, 2308, 2995, 3431, 3436, 3437, 3440, 4817, 5359, 5361, 6320
assessment 4718, 4991, 4992, 5898, 6315, 6321, 6329, 6553
Betula ermanii 373, 3789
Betula grossa 173
Betula pendula 1584
Betula pubescens 1584, 1600
Bruguiera parviflora 4718, 4991
Chamaecyparis obtusa 101, 4767, 5898, 5899
Coniferae 4722
Dipterocarpus 4279
Eucalyptus diversicolor 6553
Fagus crenata 1607, 3441
Fagus grandifolia 1604, 3440
Fagus sylvatica 185, 1319, 3227, 3434, 5359
Fraxinus americana 3440
Fraxinus excelsior 3434
Juniperus communis 4433
Libocedrus bidwillii 4241, 6380
Melaleuca quinquenervia 2362
Metrosideros polymorpha 2726
Nothofagus dombeyi 4240
Nothofagus procera 4240
Picea 3439
Picea abies 185, 1584, 2176, 2308, 5887, 6320, 6473
Picea engelmannii 2178, 6317
Picea mariana 3780
Picea sitchensis 2763
Pinus densiflora 3438
Pinus echinata 6322
Pinus kesiya 6329
Pinus merkusii 6329
Pinus nigra 4272
Pinus radiata 3396
Pinus sylvestris 99, 839, 2245, 6320, 6323, 6383
Pinus taeda 6322
Populus 3430
Populus tremuloides 2427, 3429, 6317, 6318, 6552
protection 1988, 3227, 4027
Prunus serotina 3440
Pseudotsuga menziesii 438, 2529, 6317
Quercus crispula 3433, 4716
Quercus robur 3434, 6315
Quercus rubra 3431
Quercus serrata 3432
relation to fires 884, 1294, 2362, 2427, 3780, 4116, 4686, 6323
relation to logging 706, 714, 825, 1605, 2177, 2178, 2765, 4351, 4718, 4720, 4990, 5555, 6317, 6319
relation to site factors 100, 1600, 2726, 2763, 2764, 3435, 3439, 4241, 5009, 5360, 5361, 5552, 5792, 6319, 6324, 6329, 6380, 6383, 6473, 6553
Rhizophora 4718
Rhizophora apiculata 4991
sampling techniques 825
Sasa tectorius 369
Sasa veitchii 2814
seedbeds 4686, 4723, 5567, 5568
Sequoiadendron giganteum 4116
simulation 712
site preparation 1584, 1600, 3444, 5898, 6323
Taxus 5215
Tilia cordata 2175
Tsuga canadensis 3023
Tsuga diversifolia 5360
Tsuga heterophylla 2765
vegetative propagation 2175, 3429, 3430, 4243
Naturalization (*see* Acclimatization)
Nature conservation 26, 2639, 4578 (*see also* National parks; Wilderness; Wildlife, conservation)
Africa 3340, 4137
Arizona 4612
Arunachal Pradesh 3021
Australia 817, 4630
Austria 4066
bibliographies 5240
books 2626, 3282, 4110, 4612, 5233, 6205
Brazil 1143, 5566
Nature conservation *contd.*
Bulgaria 6794
Canada 3229
Central America 1121
conferences 596, 1121, 4630, 6196
Costa Rica 5164
Czechoslovakia 2626, 3282
Ecuador 4660
Europe 2586
Finland 2024
Florida 2589, 2590
France 6193
Georgian SSR 1090
German Federal Republic 2174, 3257, 3331, 3968, 4071, 4072, 4648, 5215, 5848, 6193, 6194
Honshu 6155
India 367, 1487
Indonesia 614, 2025
Kazakh SSR 1870
Kyushu 4075
Liberia 5734
Malaya 571, 2627
Maryland 4022
Mexico 1121, 5153
Netherlands 3224, 3258
New Caledonia 1654
New York 2617
New Zealand 4070, 4110, 6062, 6068
North America 2586
North Brazil 5851
Northern India 4627, 4783, 5001, 5214
Pacific Northwest (USA) 2653
Papua New Guinea 4110
Poland 3815, 4069
reviews 3229
RSFSR-in-Europe 1090
Scotland 572, 4076
Shikoku 4571
South Africa 3024, 3827, 6195
Sri Lanka 1350, 1351, 4110
Sweden 4067, 4068
Switzerland 1470
Tanzania 5213
Tasmania 5212
tropics 2673
United Arab Emirates 4442
United Kingdom 2031, 3792, 4166, 4433, 4592, 5790, 6189, 6205
USA 1089, 1121, 5233
West Africa 3798
Western States (USA) 3229
Naval stores (*see* Resins)
Navomorpha lineata 3961
Nebraska, shelterbelts 6181
Nectar 5628
Nectria 3598
Nectria cinnabarina 1410, 5023
Nectria coccinea 1409
Nectria fuckeliana 6232
Nectria galligena 969
Nectria macrospora 5626
Nectria radicicola 4466, 5048, 5051
Needles (*see* Foliage; Leaves)
Nematicides 1958, 1973, 3998, 4509, 5712, 5718, 5719
Nematocampa filamentaria 1005
Nematodes 6230
control 5683, 5712
in animals 514, 515, 523, 1015, 1428, 3266, 4512, 4517, 4518, 5137, 5687, 5706, 6724
in plants 965, 973, 1034, 1387, 1453, 1454, 1455, 1456, 1955, 1963, 1964, 1965, 1966, 3872, 3977, 3978, 3979, 4510, 4511, 4513, 4514, 5120, 5131, 5132, 5682, 5683, 5684, 5685, 5686, 5712, 5718, 5719
in soils 523, 882, 1347, 1963, 3640, 4507, 4508, 4509, 4512, 6716
Neoaplectana 523
Neoaplectana carpocapsae 523, 4517, 4518, 5137, 6724
Neodiprion 3198
Neodiprion abietis 3145
Neodiprion fulviceps 5125
Neodiprion lecontei 1450
Neodiprion sertifer 522, 1025, 1042, 1458, 2559, 5706, 6142, 6711, 6727
Neodiprion swainei 3118
Neoharmonia venusta 5707
Neolitsea parvigemma 3020
Neolitsea sericea 3019

Neophyllaphis 3935
Neophyllaphis podocarpi 3935
Nepal
books 5814
catchment areas 4110
erosion 4058
flora 6549, 6550, 6551
fodder 4119, 6185
forest ecology 1808
forestry 4058, 5814
forestry development 4060, 6242
frost resistance 1808
fuels 6185
glossaries 6220
international cooperation 6242
land use 4058, 4060, 6434
rural economy 6185
soil conservation 4058, 4110, 4119
synecology 6434
vegetation 5814
wildlife 5814
Nephelium lappaceum 5499
Nephotettix virescens 4486
Nepytia freemani 6738
Nerium oleander 1342, 1818
Nesidiocoris tenuis 974
Nesodiprion biremis 6710
Netherlands
afforestation 845, 5771
biomass production 2846
birds 548, 5152
choice of species 5313
cones, collection 3369
dead trees 4988
decayed wood 4988
diseases of trees 476
drainage 380
dunes 1347
Erwinia salicis 474, 4485
fire control 4945
forest ecology 4988
forest management 2865
forest policy 2081
forest resources 2081
forest statistics 2084
frost injury 3106
fungi 5554
insect pests 3130
international cooperation 2687
land reclamation 5771
landscape 2660, 3262
Lymantria dispar 3158
mammals 5151
mixtures 2796
natural regeneration 3039
nature conservation 3224, 3258
nursery management 3130
nutrient deficiencies 3400
Paranthrene tabaniformis 508
periodicals 1499, 5226
plantations 3039
Populus 129, 2805, 5226, 5614
Populus 'Spijk' 5314
private forestry 2882
Pseudomonas syringae 3106, 5079
Pseudotsuga menziesii 2881
remote sensing 2879
Salix 2700
shelterbelts 2701, 3105
silviculture 2805
skidding methods 2787
succession 380, 1347
synecology 5554
thinning 2789, 3487
urban and suburban forestry 3262, 5220
vegetation types 5554
vegetative propagation 68
Neuroptera 6736
Nevada
air pollution 3694
Chrysothamnus eremobius 5546
dendrochronology 3694
New Brunswick
Abies balsamea 5675
Acer saccharum 334
air pollution 290, 3710
birds 5699
Ceratocystis ulmi 3896
Choristoneura fumiferana 2516, 3159, 3185, 3190, 5675, 5697, 5705, 6697
clear felling 3423
fertilizers 80
forest management 3254
New Brunswick *contd.*
forest resources 818
insect pests 2497
insecticides 5698, 5699
land use 3254
Larix 930
Larix laricina 3048
plant morphology 334
private forestry 626
provenance trials 3354
site types 4720
sociology 5705
spacing 3490
street trees 3896
water pollution 1226
wilts 3896
New Caledonia
Agathis 1654
Araucaria 6046
Ascarina 914
Belliolum 2991
insect pests 5661
Melaleuca quinquenervia 2365
nature conservation 1654
parasitic plants 1937
New England
books 4112
Cryptococcus fagisuga 4495
forestry 4112
land classification 3603
land use 4112
weed control 4735
New Hampshire
biomass production 6397
birds 4533
camping 4074, 4585
catchment areas 1998
Choristoneura fumiferana 3992, 6717
clear felling 1743
exotics 661
forest inventories 3581
forest litter 1743, 5443
forest management 625
forest ownership 624, 625
forest recreation 4074, 4582
forest resources 624
hydrology 1998
land classification 3025
Larix 661
nitrogen fixation 5443
nutrient cycles 2938, 6397
Pinus strobus 743
plant nutrition 240
site types 3603
soil types 1213
synecology 3025
thinning 743, 3481
New Hebrides, insect pests 5661
New Jersey
ants 2621
biomass production 1857
fire effects 1919, 2972
land reclamation 6792
site class assessment 188
soil pollution 6793
street trees 2621, 4098
synecology 1857, 5000
vegetation types 1919, 2972, 5000
New Mexico
bark beetles 6643
browse 3215
Cercidium floridum 5724
Choristoneura occidentalis 5642
deer 1466
forest fires 1497
fungus diseases 6643
grazing 1974, 3215, 6750
history 1497
insect pests 5630
maps 3034
Pinus edulis 1830
Prosopis 5724
rodents 6750
streams, ecology 979
Tamarix chinensis 4976
vegetation, history 2703
vegetation types 979
yield forecasting 5946
New South Wales
air pollution 5460
birds 4540
dieback 1828
Eucalyptus 1828
New South Wales *contd.*
Eucalyptus pumila 2409
fertilizer application 3524
forest litter 3630
grazing 1976
insect pests 5627
labour 4187
mangrove forests 4435
natural regeneration 3396
nutrient cycles 857, 5460
Pinus radiata 2858, 4697
remote sensing 1717
thinning 2858, 4756
vegetation types 1361, 3802, 5627
yield regulation 2858
New York
air pollution 6503
fertilizers 4707
forest resources 2101
Gremmeniella abietina 2880, 3898
insect pests 2127, 3964
landscape 4093
Malacosoma americanum 1949
national parks 2020
nature conservation 2617
Neodiprion lecontei 1450
ornamentals 4093
Pissodes 3172
remote sensing 2880
urban and suburban forestry 3646
valuation 4093
New Zealand
Acacia melanoxylon 5381
Agathis australis 5498
bacterial diseases 475
Beilschmiedia tawa 5497
biomass production 2710, 2843, 5828
catchment areas 5163, 6178
clear felling 5758
climatology 4996
Dacrydium cupressinum 793
dendrochronology 5539
dieback 5539
diseases of trees 6636
drought 5539
education 4666
erosion 5171, 5758, 6178
Eucalyptus 1384, 4773
fertilizers 2748, 3524
flora 1853
forest inventories 5973
forest management 2868, 4110
forestry development 2688, 3251
fuel plantations 2710
fungi 3081
fungus diseases 3089
grading 739
hares 1465
land use 3251
Libocedrus bidwillii 4241, 6380
mycorrhizas 1384, 6607
natural regeneration 4241, 5552
nature conservation 4070, 6062, 6068
Nothofagus 2868, 5539
Nothofagus fusca 1181
Nothofagus menziesii 1181
nursery management 5830
nutrient cycles 440, 4914
palaeoecology 5559
Pinus radiata 2844, 2917, 2961, 4271, 4634, 4752, 6083
Pittosporum obcordatum 6062
plantations 5830
Platypus 6130
poles 4726
pollen 6555, 6556
provenance trials 2720
pruning 739, 2795
Seiridium 6657
shelterbelts 3089, 5177
silviculture 5830
site preparation 5384
slopes 5758
soil surveys 5973
species trials 2719, 3089
stand characteristics 4990
succession 4996
synecology 5552
taxation 4664
thinning 4634, 4752, 4758, 4760
training 4666
tree breeding 6083
Trichosurus vulpecula 1994, 5150, 5256

New Zealand *contd.*
vegetation types 1806, 4990, 4996, 6068
weed control 1169, 3288, 4736, 4737
wood borers 3961
Newfoundland
air pollution, damage 3698
amelioration of forest sites 5903
Armillaria mellea 6645
Choristoneura fumiferana 3139, 3141, 3142, 3144, 3146, 3154, 6123
economics 3147
Ernobius bicolor 5669
forest fires 3143
forest management 3152
forest policy 3153
forest resources 3143
history 3144, 3152
insect pests 3143, 3145
Larix laricina 5325
mistletoes 1936
peatland 5903
Picea glauca 3050
Picea mariana 3499
Populus 5448
seed 3372, 5325
silviculture 3152
species trials 3355
street trees 6645
tree breeding 3050
Nicaragua
fertilizers 4273
forest management 2100
Pinus 2100
Pinus caribaea 4273
timbers 1106
trees 1106
Niger
Acacia albida 4570
deforestation 4145
Nigeria
agroforestry 3250, 4631, 5189, 5205
biomass production 4810
books 589
economics 589
fertilizers 4223
forest litter 6457
forest resources 620
forestry 620
forestry development 2096
Gmelina arborea 3001, 3002
grazing 6154
natural regeneration 6457
plant water relations 3001, 3002, 3651
private forestry 2096
research 3250
shifting cultivation 6563, 6564, 6565
soil chemistry 6457, 6564, 6565
succession 6563, 6564, 6565
synecology 3819
Tectona grandis 3001, 3002, 3505, 4810
vegetation types 6154, 6457, 6563
Nitraria komarovii 2394
Nitraria schoberi 2394
Nitrogen cycle 223, 244, 600, 695, 1756, 2325, 2652, 2939, 2945, 3290, 3549, 3620, 3663, 3664, 3666, 3667, 3668, 3669, 3673, 3674, 4057, 4151, 4359, 4907, 4913, 4919, 5231, 6462, 6465
Nitrogen fixation 83, 213, 245, 425, 434, 436, 437, 438, 440, 441, 442, 443, 445, 446, 447, 519, 1378, 1379, 1385, 2922, 3069, 3070, 3247, 3674, 3877, 3878, 4047, 4457, 4676, 4915, 5024, 5231, 5247, 5443, 5884, 5983, 6364, 6619, 6625, 6797
reviews 432, 439, 3075
Nitulidae 3895
Noise 2008, 4632, 5487 (*see also* Forest influences on, noise)
Nolina 1974
Nomenclature 917, 1849, 4591
books 1509
North Africa, climatology 1111
North America
acid rain 4376
arboreta 3374
biomass production 1603, 5828
birds, ecology 1062
botanical gardens 3374
Cervus elaphus 2042
Choristoneura fumiferana 5145, 6747
coppice 1603
deer 3278
North America *contd.*
fire control 2357, 3721
flora 6210
Heterocampa guttivitta 1008
Ilex 6810
insecticides 4529
Isoptera 5092
labour 2114
Lymantria dispar 6148
nature conservation 2586
Pinus contorta 3059
plant disorders 5541
planting stock 3374
rust diseases 3905
Scolytidae 513
seed 3374
vegetation types 1062, 3034
weed control 2066
North Brazil
evolution 1860
Isoptera 5634
nature conservation 5851
nitrogen cycle 3667, 3669
nutrient cycles 6481
palaeoecology 1860
Parkia 6704
pastures 6803
soil types 3620, 5451
vegetation types 3667, 5634, 6481
North Carolina
afforestation 6341
biological control 5709
Carabidae 1938
clear felling 1605
Corythucha ciliata 3930
Cronartium fusiforme 1404
drainage 6341
forest ecology 1938
forest litter 6461
forest recreation 1094
fruit 2231
insect pests 2127
mycorrhizas 2231
natural regeneration 1605
nutrient cycles 1939
ornamentals 4981
Pinus taeda 4339
site preparation 6336
stand characteristics 3574
streams, relation to vegetation 852
thinning 3491
tree breeding 932
vegetation types 2062
weed control 2786
wilderness 1094
wildlife 3491
North Central States (USA)
birds 2661
fire danger 310
silviculture 3424
tree breeding, research 5244
volume determination 2828
North Dakota
dams 5169
hydrology 5169
plant water relations 5169
North East Brazil
flora 2426
vegetation types 3823
wildlife 3823
North Eastern States (USA)
amphibia 2579
Argyresthia 6111
birds 2661
forest management 822, 836
increment 801
natural regeneration 706
Pulicalvaria thujaella 6111
reptiles 2579
research 642
silviculture 706, 707, 708, 822, 836
stand characteristics 707, 708, 801
tree breeding 389
yield regulation 801, 814
Northern India
biomass production 2851
conferences 4627
deforestation 5001
flora 4627
forestry 5001, 5214
grazing 5001
medicinal plants 4783
minor forest products 4783
Northern India *contd.*
nature conservation 4627, 4783, 5001, 5214
silviculture 5214
synecology 5001
vegetation 4627
vegetation types 5001
volume tables 2832
yield tables 2860
Northern Rocky Mountains (USA)
Larix occidentalis 3047
provenance trials 3047
slash 2302
Northern States (USA), mining wastelands 1477
Northern Territory
biomass production 1689
fertilizers 5348
Pinus caribaea 1689
Northwest Territories
browse 3218
cattle 3218
diseases of trees 3922
forest fires 1311
grazing 3218
history 1311
insect pests 3922
vegetation types 1311
wildlife 3218
Norway
acid rain 1262, 5744, 5745
Alces alces 1060
ditches 3463
drainage 3463
fishing 5744, 5745
forest inventories 617
forest policy 617
forest statistics 2082
groundwater 3463
Ips typographus 2570, 3171, 6702
museums 641
nematodes 3978
palaeobotany 1348
Panolis flammea 997
peatland 3463
precipitation 282
stain fungi 6652
vegetation types 2435
weed control 118, 731
wind damage 2570
Xyloterus lineatus 3983
Nosema fumiferanae 6723
Nostoc 425
Nothofagus 1806, 2868, 4870, 4874, 4996, 6130, 6607
Nothofagus alpina 3835
Nothofagus betuloides 3835
Nothofagus discoidea 6521
Nothofagus dombeyi 3835, 4240, 6069
Nothofagus fusca 1181, 2666, 4636, 6555
Nothofagus glauca 5442
Nothofagus menziesii 1181
Nothofagus moorei 5627, 6703
Nothofagus obliqua 504, 1360, 6069
Nothofagus procera 504, 4240, 6069
Nothofagus pumilio 3835, 5940
Nothofagus solandri 3961, 4241
Nothofagus truncata 3961, 5758
Notobuxus 5516
Nova Scotia
air pollution 3710
biomass production 2837
catchment areas 4028
insect pests 2497
land use 4028
pollution 4028
provenance trials 3353, 3354
water pollution 3695
Novacastria nothofagi 6703
Nucifraga columbiana 2447, 2583
Nuculaspis californica 5638
Nurse and auxiliary species 2176, 3069, 3497, 6320, 6364
Nursery management 1158, 5317, 5352 (*see also* Planting stock; Vegetative propagation)
artificial light 908, 2758
books 696
Chamaecyparis lawsoniana 84
conditioning 5353, 6365
conferences 2067, 5255, 5830, 6222
Cupressus macrocarpa 84

Nursery management *contd.*
diseases 91, 475, 1389, 1390, 1394, 1398, 1923, 1924, 1933, 2171, 3102, 3111, 3886, 5040, 5042, 5076, 5602, 6090, 6627, 6656, 6660, 6678
economics 2071, 6310
Eucalyptus gigantea 84
Eucalyptus globulus 84
fertilizing (*see* Fertilizer application, nursery stock)
greenhouses 3953
growth regulators 1594, 5893
history 4168
hydroponics 1522, 3390
irrigation 1157, 3416, 5353, 5369, 5856
lifting 698, 2227, 2756, 2757, 3410, 5888
machines 2226, 2227, 3415
mechanization 2161, 5797
methodology 6435
mycorrhizas 5599, 6604, 6608, 6612, 6613
pests 1427, 1434, 1961, 2171, 2506, 3124, 3130, 3953, 3999, 5683, 5684, 5719, 6099, 6149
protection 482, 2160, 4226
Pseudotsuga menziesii 84
research 2069
reviews 2168
root pruning 91, 1592, 1594, 1598, 1599, 2161, 3892, 5353
rooting media 2762, 3420
seed covers 4226
shading 1596, 2164, 5856, 6311
simulation 2071
soils 91, 408, 699, 2067, 2168, 2172, 2173, 2464, 3867, 3869, 5594, 5881, 6312, 6435
reviews 2170
sowing 2167, 2172, 2226, 4696, 5888, 5894, 6313
spacing 90, 2167, 3411
statistical methods 5040
thinning 3411
transplanting 898, 2761, 3412, 4228
United Kingdom 4168
use of containers 86, 87, 408, 697, 1522, 1592, 1595, 1961, 2159, 2162, 2755, 3071, 3390, 3413, 3418, 4202, 5040, 5369, 6310, 6312, 6365, 6627
weed control 88, 1172, 2171, 2203, 2773, 2785, 2786, 5372, 5905, 6352
wind protection 1736
wrenching 2759, 3415, 4713
Nutrient cycles 246, 851, 857, 1263, 1758, 2307, 2662, 3661, 4120, 4363, 6420 (*see also* Carbon cycle; Catchment areas, nutrient cycles; Nitrogen cycle; Soil chemistry, nutrient cycles)
Abies 945, 4824
Agathis 2596
Alnus 6480
Araucaria 4353
Betula 4361, 4907
bibliographies 5823
Burkea 3673
Castanopsis 1892
Ceanothus 6520
Cleyera 4825
conferences 4151
Cryptomeria 2932
Dendrocalamus 1892
Eucalyptus 2941, 3659, 4914, 5460
Eupatorium 2596
Fagus 856, 3679, 4151
forest litter 225, 314, 847, 853, 1587, 1757, 1893, 1997, 2327, 2329, 2917, 2933, 2936, 2941, 3658, 3662, 3670, 4353, 4359, 4362, 4364, 4824, 4885, 4907, 4917, 5632, 6455, 6461, 6479
Ledum 4361
Liquidambar 1225
Picea 3655, 4359, 4921, 5757
Pinus 313, 1587, 2596, 2934, 3397, 3748, 3753, 4151, 4914, 5460, 6483
Podocarpus 4362
Populus 242, 4277
Pseudotsuga 1255, 4913
Quercus 1222, 6486
relation to hydrology 852, 1762, 1763, 1894, 1997, 1998, 2003, 2324, 2328, 2746, 2932, 2972, 3242, 4063, 4364, 5166, 5833, 6477, 6779, 6782
Nutrient cycles *contd.*
relation to logging 242, 243, 850, 1757, 1939, 2917, 2940, 2943, 2945, 3423, 4151, 4914, 4919, 5412, 5833, 5938, 6335, 6397
relation to topography 3423, 3660
reviews 4914, 6480
Salix 4361
Sambucus 4277
Schima 1892
Shorea 1892
simulation 1266, 5250
statistical methods 6397
Tectona 2596
trees 858, 859, 2946, 4362, 4917, 4921, 5457, 6481, 6482
Tsuga 4824
underwood 1222, 3671, 4362, 4825
Nutrient deficiencies 241, 850, 3681, 5770
B 1220, 1221, 1759, 5450
Ca 3657
Cu 1759, 3400, 3676
Fe 3676, 4893, 6484, 6485
K 3657, 3687, 4224
Mg 3657, 3687, 4979, 6037
minor elements 4905
Mn 3676
Mo 3070
nitrogen 2843, 3657, 4224, 5353, 5761, 5979, 6478
P 1381, 2748, 2843, 3657, 4360, 5598, 6215, 6478
S 3657, 5461
Zn 1759, 3676, 4979
Nuts 3517, 5342, 5387, 5388
Nyssa 1540, 4890
Nyssa aquatica 713, 847, 2514
Nyssa sylvatica 446, 1857, 4300, 6792
Nyssa sylvatica biflora 847
Oberea occulata 5664
Oceania
biomass production 1603
coppice 1603
economics 4657
forest resources 4623, 4658
Ochna pulchra 2256, 3558, 3624, 3673, 3765
Ochroma lagopus (see *Ochroma pyramidale*)
Ochroma pyramidale 318, 2116, 2163
Ochropleura fennica 5123
Odocoileus 3229
Odocoileus hemionus 535, 536, 537, 1466, 1723, 3212, 3213, 3217, 3278, 5732, 5741
Odocoileus virginianus 1056, 1059, 1466, 1968, 1988, 3214, 4546, 6762, 6763
Odocoileus virginianus texanus 3230
Odontotermes 5635
Odontotermes distans 2501
Odontotermes feae 2501
Odontotermes formosanus 1943, 1944
Odontotermes guptai 1425
Odontotermes horni 2501, 5704
Odontotermes obesus 2501, 5093
Ohio
air pollution 3699
arboreta 4197
deforestation 4145
exotics 4197
Magicicada 985
Magicicada cassinii 2504
Otiorhynchus sulcatus 3985
Phloeotribus liminaris 1018
provenance trials 5299, 5301, 5303
soil types 6572
vegetation types 6572
Oidium 3111
Oklahoma
fungus diseases 5039
mining wastelands 4054
Oncideres cingulatus 1441
shelterbelts 5039
Olacaceae 3014
Old and fossil wood 1796
Olea africana 1362
Olea capensis macrocarpa 3467
Olea chrysophylla 5277
Olea europaea 1210
Olea europaea oleaster 1332
Olearia angustifolia 6068
Olearia lyallii 6068
Oleoresins (*see* Resins)
Olesicampe geniculatae 3993
Olesicampe monticola 4518
Oligochaeta 3639
Oligonychus hondoensis 2555
Oligonychus punicae 5130
Oligonychus ununguis 2553, 6715
Olneya tesota 1684
Oncideres cingulatus 1441
Oncopsis flavicollis 6104
Oncopsis subangulata 6104
Oncopsis tristis 6104
Ontario
air pollution 1280
amenity and recreation areas 1093
arboreta 2027, 5223
biogeochemical prospecting 2913
biomass production 2842, 2859
Choristoneura fumiferana 3137, 3194, 3956, 4002, 6691, 6737
deer 4546
diseases of trees 2623, 3118
farm woodlands 6186
forest borders 4546
forest fires 1310, 4389
forest ownership 6186
forest recreation 2027
Fraxinus americana 44
Fraxinus pennsylvanica 5310
frost injury 44
Gremmeniella abietina 3904
hedges 5223
herbicide application 3471
history 1310
insect pests 2623, 3118
insecticides 3137, 5743
land use 6186
Melampsora medusae 5068
mycorrhizas 5038
Neodiprion lecontei 1450
nursery management 2167
ornamentals 5223
periodicals 2623
Pinus banksiana 4994
planting stock 3419
Populus tremuloides 3471
private forestry 6186
provenance trials 44, 3350, 5310
seed, storage 4691
shelterbelts 5223
stand characteristics 4994
synecology 4994
thinning 2793
weight determination 2842
Ooencyrtus clisiocampae 1949
Ooencyrtus ennomophagus 5709
Ooencyrtus kuvanae 6148
Ooencyrtus pityocampae 5715
Operations research 821, 4835
reviews 875
Operophtera brumata 3943, 5103
Ophiostoma kubanicum 1418
Oporinia autumnata 5105
Opossums 1994, 4978, 5150, 5256
Opuntia lindheimeri 6763
Opuntia polyacantha 2377
Opuntia rhodantha 2377
Orbignya cohune 3665
Oregon
afforestation 2654
biomass production 1854
birds 4536
catchment areas 4550
Ceanothus 438
Choristoneura occidentalis 6690
Coleophora laricella 6692
controlled burning 313
decay in trees 3082
Dendroctonus ponderosae 1021, 3168, 3967, 5117
fire danger 1202, 2968
fire prevention 2968
forest fires 1306
forest recreation 2618
grazing 1622, 1975, 6751, 6754, 6755
herbicides 3480, 4114
history 1306
hydrology 4034, 5755
insect pests 3946
mosses 1854
natural regeneration 438
nutrient cycles 441, 1854
Orgyia pseudotsugata 3981, 6736

Oregon *contd.*
Pinus contorta 5117
pollution 3480
provenance trials 3838
Pseudohylesinus nebulosus 1443
Pseudotsuga menziesii 3049, 5579, 6358
Purshia tridentata 6751
remote sensing 4536
root and butt rots 1926, 3110
site preparation 3477, 6333
succession 2922
synecology 2439
thinning 5117, 6358
vegetation types 2439, 2663
water composition and quality 3704
weed control 39, 1622
wilderness 2439
Oreocallis wickhamii 5798
Orgyia antiqua 5099
Orgyia pseudotsugata
attractants 6731
biology 5647
control 635, 636, 3189, 3198, 3201, 3981, 3982, 5657, 6731, 6736
damage by 3982, 6096, 6731
economics 5657
methodology 3198
parasites 998
predators 6736
research 5657
Orissa
Casuarina equisetifolia 4249
Pinus caribaea 5857
Pinus pseudostrobus 5857
provenance trials 5857
shifting cultivation 2611
Ornamental branches and foliage (*see* Decorative greenery and wreaths)
Ornamentals 247, 477, 3077, 3928, 4091, 4093, 4094, 4097, 4101, 4103, 4592, 5220, 5223, 5255, 5364, 5603, 5710, 5799, 5817, 5818, 5893, 5911, 5963, 6149, 6230, 6299, 6300, 6689 (*see also* Christmas trees; Street trees)
Acer 1099, 4099
books 5816, 6211
Crataegus 4487
Davidsonia 5798
Eucalyptus 5798, 5894
Ginkgo 3844, 4591
Hippophaë 4096
Ilex 6810
Juniperus 1394, 4981
Malus 4096, 4487
Melaleuca 5798
Nitraria 2394
nursery management 697
Oreocallis 5798
Pandanus 6051
Pyrus 5800
Taxus 681
Viburnum 4096
Orthosia gothica 3193
Orthotomicus 6127
Orthotomicus erosus 1447
Oryctolagus cuniculus 3226, 4538
Oryzopsis hymenoides 3209
Osiers 6714
Osmanthus heterophyllus 3018
Osmanthus lanceolatus 3018
Ostrya virginiana 2976, 5649
Otiorhynchus singularis 2546
Otiorhynchus sulcatus 3985
Ouratea nitida 896
Oxycoccus 6513
Oxymagis horni 2500
Pachistima myrsinites 6760
Pachypsylloides 3919
Pachysacca samuellii 3912
Pacific Islands
edible species 5394
energy resources 4189
Metroxylon 5394
Pacific Northwest (USA)
biomass production 800
forest policy 6250
forestry 2653
herbicide application 6250
mycorrhizas 410
nature conservation 2653
Orgyia pseudotsugata 5657
palaeoecology 920
precipitation 800
Pacific Northwest (USA) *contd.*
public relations 6250
research 5657
stand characteristics 2655, 2817
succession 2655, 2817, 3022
vegetation types 800
wildlife 1610
yield regulation 1725
Pacific States (USA)
grazing 2431
vegetation types 2431
Pakistan
afforestation 1552, 2766
agroforestry 3248, 4573
bamboos 4295
Biston regalis 3205
catchment areas 4110, 4560
Dalbergia sissoo 4247
deer 4542
grazing 1978, 1979
Juniperus excelsa 2766
mangrove forests 4442
mistletoes 4492
nitrogen fixation 1379
pastures 1978
Pinus roxburghii 4305
plantations 672
Populus 672, 2857
shelterbelts 3248, 4564
species trials 1552, 4199, 4573
wildlife 4544
yield tables 2857
Palaeobotany 1348, 1796, 1846
Palaeoecology 378, 920, 921, 1862, 1863, 1864, 1865, 1866, 1867, 2627, 3794, 3795, 4995, 4997, 5559, 5561, 5562, 6058, 6557, 6558 (*see also* Vegetation, history)
reviews 1860
Palaquium ellipticum 773, 2262
Palexorista inconspicua 6142
Palmae 6481
reviews 1852
Palms 60, 115, 467, 3012, 4427, 4428, 5566
Pamphilius vafer 3269
Panama
birds 1982
Ficus 911
seed, seed dispersal 1833
vegetation types 1833
Panama Canal Zone
synecology 5808
tropical forests 5808
Pandaca (see *Tabernaemontana*)
Pandanus 6051
Pandanus helicopus 2627
Panolis flammea 503, 997, 2528, 3193, 3952, 5703, 6115
Pantomorus cervinus 1940
Papua New Guinea
Acacia 6241
Acacia mangium 6276
Araucaria 1941
bamboos 6045
biomass production 225
cattle 4292
Dipterocarpaceae 1102
Eucalyptus 6293
Eucalyptus brassiana 2412
flora 2043
forestry development 4110
Freycinetia 6051
insect pests 1941, 5661
Leucaena leucocephala 4292
nutrient cycles 225, 4362, 4363, 4364
Pandanus 6051
seed 6293
soil types 4363
vegetation types 225, 4110, 4362, 4363, 4364
Paraclemensia acerifoliella 3944
Paraguay
afforestation 632
education 35
Eucalyptus 2102
forestry 5852
forestry development 632
Pinus elliottii 2102
training 35
Paranthrene robiniae 5137
Paranthrene tabaniformis 508, 3268
Parasetigena silvestris 6730
Parashorea tomentella 1177
Parasitaxus ustus 1937
Parasites of insect pests 4516 (*see also* Bark beetles, parasites; Insect pests, parasites)
biology 523, 993, 3986, 5696, 5715, 6140
books 3266
detection 6143
distribution 2564, 6143
ecology 993, 2514, 2522, 3974, 6740
effect of insecticides 1004, 1050, 1430, 2557, 3989, 6732
host parasite relations 6723
host parasite relationships 988, 1042, 1949, 2550, 2558, 3986, 4525, 4526, 5704
hyperparasitism 2514, 3182, 4518, 4525
identification 1967
introductions 991, 2556, 3182, 3993, 6724, 6729, 6730
laboratory rearing 5709
population dynamics 3987, 4000, 6148
resistance to 1949
simulation 6148
taxonomy 3941, 3993
trapping 4526
Parasitic plants 110, 1937, 3876, 4824 (*see also* Mistletoes)
Parasponia parviflora 5024
Paraswammerdamia lutarea 2518
Parena cavipennis 4527
Parinari curatellifolia 5499
Parkia 6704
Parkia bahiae 915
Parkia cachimboensis 915
Parkia javanica 2902
Parkia nitida 350
Parkia panurensis 915
Parkinsonia aculeata 1684, 3746
Paropsis charybdis 5662
Parrotia persica 3938
Parus 2515
Parus ater 2515
Parus major 2515
Parus palustris 4011
Pasania (see *Lithocarpus*)
Passaloecus cuspidatus 2505
Passiflora edulis 5499
Pastures 1296, 1482, 1891, 1978, 2658, 3288, 4006, 5183 (*see also* Grazing)
management 6803
reviews 5195
Patagonula 6007
Paths 4076
Paulownia 493, 974, 4694
Paulownia coreana 4924
Paulownia elongata 493, 974
Paulownia fortunei 4202
Paulownia kawakamii 493, 973, 974, 4202
Paulownia taiwaniana 4202, 6088, 6089
Paulownia tomentosa 480, 481, 2948, 4202, 4374, 5081, 5383
Paxillus involutus 3072, 3874
Peat 230, 1166, 1168, 1214, 1220, 1221, 3417, 3729, 5625, 6452
Peatland 300, 694, 721, 1584, 1655, 1760, 2005, 2324, 3463, 3565, 3816, 5903, 6453, 6774 (*see also* Afforestation, peatland; Soil types, peat soils; Vegetation types, peatland)
bibliographies 595
Peltophorum inermis 3746
Peltophorum pterocarpum 2977
Pemphigus betae 1948
Penicillium canadense 4464
Penicillium chrysogenum 1922
Peniophora gigantea (see *Phlebia gigantea*)
Pennsylvania
Acari 2554
Acer pensylvanicum 3474
amenity and recreation areas 4583
arboriculture 4590
biological control 2563
browsing damage 4020
clear felling 4343
Coniferae 2554
deer 1988, 4020
energy resources 4384
herbicides 5370
landscape 4384
Larix leptolepis 3473
Lymantria dispar 2557, 4499, 4856
mining wastelands 3245
natural regeneration 3437, 3440, 3444
nursery management 2203

914

Pennsylvania contd
provenance trials 2122
pruning 4590
remote sensing 3589
rights of way 4261, 4590
shade trees 4384
silvicultural conversion 3473
site class assessment 188
site preparation 3474
small mammals 1983
weed control 3444, 4261
wind damage 4643
Peridermium 5623
Peridermium harknessii (see *Endocronartium harknessii*)
Periodicals
agroforestry 1490
Alabama 4107
biomass production 5803
China 1513
Czechoslovakia 595
deforestation 1000
diseases of trees 2628
energy resources 5803
forest inventories 2624
forest resources 2624
German Federal Republic 2035
India 1
Indonesia 1515
information services 1513
insect pests 2628
land use 2624
Netherlands 5226
Populus 5226
United Kingdom 4567
USA 2624
Peromyscus leucopus 1983
Peromyscus maniculatus 542, 1063, 3469, 4211
Persea americana 5498
Perthida glyphopa 6648
Pestalotiopsis funerea 3084
Pestalotiopsis versicolor 5043
Pesticides 2071, 3446
affect on ecology 3696
methodology 6743
pollution 3696
safety 4538, 6743
toxicity 6160, 6161
Petrea volubilis 3742
Petrova albicapitana 3156, 5104
Petrova cristata 494
Petrova metallica 5104
Peziculs cinnamomea 6628
Peziculs livida 4496
Phacidiopycnis pseudotsugae 4496
Phaeogenes maculicornis hariolus 3154
Phalacropsis dispar 5623
Phanerogamia 6734
Phascolosoma arcuatum 3236
Phellinus everhartii 5607
Phellinus ferreus 5607
Phellinus ferrugineofuscus 5607
Phellinus ferruginosus 5607
Phellinus igniarius 5049, 5607
Phellinus pini 451, 2473, 5039, 6632
Phellinus pini cascriformans 3090
Phellinus pini pini 3090
Phellinus punctatus 466
Phellinus robiniae 5039
Phellodendron amurense 2092
Phenology 45, 59, 315, 316, 327, 889, 890, 891, 892, 1325, 1332, 1510, 1554, 1778, 1839, 2368, 2377, 2445, 2724, 3133, 3134, 3771, 3793, 4397, 4398, 4950, 4955, 4963, 5500, 5627, 5997, 6448, 6504, 6520, 6542, 6580
Phialographium 2473
Phlesturnus carunculatus 6061
Philippines
afforestation 1962
agroforestry 1490
bamboos 5988
bark beetles 5659
bibliographies 5021
biomass production 1995
dance and ramans 790
catchment areas 4110
deforestation 4145
Dipterocarpaceae 1180
education 1145, 4185
energy resources 5295
fuel plantations 5287, 5295

Philippines contd
pulpwood production 5287
seed 2731
soil conservation 4110
subsidies 5287
Phillyrea media 1332
Philodrymus townesi 3941
Phlebia gigantea 1393, 2478, 6630
Phlebia radiata 6642
Phlebia rufa 6642
Phloem 3743, 3764, 6017
Phloeomyzus passerinii 5614, 5710
Phloeotribus liminaris 3016
Phlomis fruticosa 1296, 1342
Phoenix 3024
Phoma 3077, 6675
Phomopsis 4474, 4511
Phomopsis abies 6604
Phomopsis juniperivora 1387
Phomopsis macrospora 6660
Phomopsis oblonga 959, 1399
Phomopsis occulta 4466
Phomopsis pustulata 1409
Phomopsis quercella 6629
Pharacantha recurva 6129
Pharacantha semipunctata 980, 2548, 3161, 3174, 3958, 6129, 6701, 6706, 517

Photinia arbutifolia 1339
Photography 1202, 2878, 4388, 5422
Photoperiodism 2390, 2892, 4422, 5533, 6537
Photosynthesis 341, 1318, 1325, 1337, 1734, 1819, 2993, 4976, 5105, 6307
conifereous 1129
metabolism 2853, 2997, 2998, 3006, 5536
methodology 2380, 2997, 3768, 4421, 4972
relation to air pollution 1339, 4936, 5536, 6035
relation to carbon dioxide 1814
relation to light 1338, 1814, 1815, 1816, 1825, 2381, 2995, 3000, 3006, 3760, 3765, 4423, 4972, 5535, 6033, 6530, 6536, 6539
relation to temperature 1210, 1812, 1818, 1827, 2388, 2995, 3763, 4423, 5535
relation to transpiration 1827, 2388, 3642, 3762, 3765, 3768, 4421, 4423, 4903, 5535, 5977, 6451, 6538, 6539
seasonal variation 1812, 1822, 2381, 3765, 4928, 6536
Phototropism (see Tropisms)
Phyllacinia guttata 5072
Phyllanthus emblica 3745, 3876, 5054, 5498
Phyllobius argentatus 3016
Phyllobius maculicornis 2544
Phyllobius piri 2544
Phyllocladus 2979, 4958
Phyllocladus alpinus 4241, 4958, 5552
Phyllocladus glaucus 4958
Phyllocladus trichomanoides 2843, 4958
Phyllocnistis suffusella 3132
Phyllodecta vitellinae 1442, 3959, 4501, 5107
Phyllonorycter millierella 5710
Phyllonorycter pistani 3180
Phyllophaga anxia 2538
Phyllophaga fusca 2538
Phyllostachys bambusoides 1788, 4816
Phyllostachys glauca 4793
Phyllostachys nigra 4793
Phyllostachys praecox 4793
Phyllostachys pubescens 1786, 1788, 1840, 4793, 5019, 5389, 5519, 5520
Phyllostachys reticulata 4792
Phyllostachys viridis 4793
Phyllostachys vivax 4793
Phyllosticta 3077
Phyllotaxy 5675
Phymatotrichopsis omnivora 3804
Physalis peruviana 5496
Physokermes jezoensis 5966
Phytobia cambii 5714
Phytophthora 3077, 4470, 5604
reviews 951
Phytophthora cactorum 1890, 5604
Phytophthora cinnamomi
biology 6657
control 1404, 4467, 5892, 6678
ecology 1397, 6657

Phytophthora cinnamomi contd
effect on physiology 948, 5050
infection 5905
interactions with fungi 954
resistance to 1390, 1394, 1397, 2717, 3083, 5050
symptoms 955, 6641, 6644
Phytophthora citricola 4467, 5604
Phytophthora cryptogea 1390, 1394, 4467
Phytophthora megasperma 1390, 4467, 5052
Phytophthora nicotianae nicotianae 452
Phytophthora palmivora 467
Phytophthora syringae 5604
Phytoseiidae 2554
Picea
Acari 6715
air pollution 4361, 6502
biomass production 768
canopy 3436, 3532
chemical constituents of plants 6027
cones 2498
diseases
cankers 3958
root and butt rots 1395, 5057
seedling 91
economics 630
fire danger 5422
forest resources 630
genetics 1867
herbicides 1172
increment, volume 3427
insect pests
Adelges 6683
Aphids 4529
Cephalcia 4512
Choristoneura 3146, 3151, 3190, 3191, 3684, 5145, 5651, 6717
Cinara 5637
damage by 5088, 5109
Dendroctonus 5691
Hylobitalis 6706
Hylobius 6705, 6746
Lepidoptera 1002, 1060, 1812
Pissodes 6126
natural regeneration 3439
nematodes 3978
nursery management 91, 1172, 2161, 6812
nutrient cycles 556
palaeoecology 378
plant ecology 1367
planting stock 2161
pruning 91
seed 2136
seed orchards 2498
storage 4944
silvicultural systems 3427
silviculture 3152
stand characteristics 3439, 3532
taxonomy 4965
tree breeding 2065
volume tables 2430
weed control 1172
wind damage 3532
yield regulation 2849
Picea abies
acid rain 4365, 4927, 5464
afforestation 5762
air pollution 247, 861, 862, 1272, 1273, 1275, 1382, 1767, 2338, 2343, 3689, 4931, 4933, 4937, 5463, 5480, 5984, 5987, 5988, 6492, 6501
angle count 2096
artificial regeneration 3426
assortments and assortment tables 744, 3538, 6394
bark measurements 154
bark beetles 4502
biomass production 3550, 5408, 5862
birds 2544
branches, measurements 154
browsing damage 2584, 2587
buds 6590
chemical constituents of plants 1273, 1803, 3840, 3966, 5476, 6025
cleaning 4746
competition 3361
cones 1903, 5942
crown 154
deer 1982, 4008, 4543, 6282
dendroclimatology 1691, 4962
density of wood 304, 401, 1765, 3712

Picea abies *contd.*
diameter 157, 182, 1201
direct sowing 2179
diseases 1334, 6038, 6634
cankers 1921, 4482
decay 2473
dieback 1921, 4365, 4979. 6036
root and butt rots 1393, 1921, 2473
stain fungi 6652
distribution 6562
drainage 3462, 6340
drought injury 549, 2900, 6447
dust 272
economics 1729, 6440
epiphytes 863
fertilizers 74, 79, 224, 652, 1583, 1585, 1588, 1589, 1597, 2148, 2156, 2741, 3395, 3399, 3401, 3639, 4219, 4224, 5347, 5887, 6309
fibres 6526
flooding 4903
flowering 355, 394, 904
flowers 5542
fodder 3752
foliage 336, 1275, 2375, 3125, 3752, 4918, 4927, 4968, 5425, 5643, 5862
forest inventories 2286
forest management 2278, 2279, 2281, 6440
frost injury 861, 4866
frost resistance 5480, 6591
fumes 259, 260, 280, 281, 286
genetics 393, 3712, 3840, 3843, 5326, 5891, 6589, 6591
ground vegetation 1625, 1750, 2148
growth regulators 355, 394, 904, 2143, 6031
herbicides 111, 1625, 5373, 6356
humus 224
hybrids 1908, 6077
hydrology 5749
increment 154, 182, 185, 1632, 1691, 2798, 5862, 5887, 5966, 6416, 6440, 6447
height 5891
insect pests 981, 1561, 6740
Adelges 5095, 6683
Coleoptera 532, 1020
control 6153
Cydia 3942
Dendroctonus 3963
Diptera 1033
Gilpinia 3969, 3973, 5127, 5643, 5714, 6739
Ips 1444, 2568, 2570, 2573, 2575, 3171, 3196, 5121, 6447, 6702
Lepidoptera 527
Lymantria 5643
Pityogenes 1444, 5108
Sacchiphantes 3125, 5095
Scolytidae 6719
Siricidae 2550
Xyloterus 2568, 3983, 5133
Zeiraphera 3131, 5656
land reclamation 6792
leaves, measurements 154
lichens 1980
light, light relations 2308
measurement of roundwood 146, 1683, 2204, 2253
mixtures 1640, 1642, 5949
mycorrhizas 947, 1382
natural regeneration 185, 1584, 2176, 4027, 5887, 6320, 6473
nitrogen cycle 5983
nurse and auxiliary species 4746
nursery management 1597, 1736, 2785, 3399, 4226
nutrient deficiencies 1759, 3400, 4979, 6037, 6215
phenology 1554, 6448
photosynthesis 3763
plant disorders 2392, 2393
plant nutrition 4912
plant water relations 3452, 6467
plantations in
Belgium 3320
Finland 93, 6327
German Federal Republic 6330
Hokkaido 5862
plantations on
clay soils 2798

Picea abies *contd.*
plantations on *contd.*
peatland 6327
wet lands 747
planting 3452
planting methods 747
planting stock 1588, 1612, 3421, 3763, 4229
pollen 5542
protection forest 549, 2605, 6168
provenance trials 43, 47, 304, 1554, 2452, 3354, 3361, 3840, 3843, 5302, 5868, 6077, 6273
resin tapping 1671
resins 1671
roots 224, 1823, 2176, 4925, 5354, 5998
salt injury 2346
salt tolerance 4356
salvage logging 6394
sanitation fellings 6394
seed
germination 3367, 3370, 5326
pests 1033
seed orchards 4688
variations 54
silvicultural conversion 3426
silviculture 2089, 2213
site class assessment 1704, 2264, 3565, 4894
site preparation 94, 747, 1615, 1619, 1646
soil biology 6465
soil chemistry 4881, 5456
soil toxicity 2927, 5473
soil types 1750, 4892
spacing 4728, 6330
species trials 3355
stand characteristics 185, 2849, 4837, 5376, 6416
statistical methods 146
stem forms 154, 170, 2254, 6381
synecology 1356
taxonomy 4983
thermal relations of plants 6448
thinning 1272, 1583, 1632, 1634, 1693, 1729, 2204, 2205, 2206, 2207, 2209, 2281, 2282, 3484, 3485, 3489, 3492, 3604, 4751, 4765, 5376
tree breeding 1370, 2452, 5013, 5583, 5891, 6589
vegetation types 74, 185, 1908, 2626, 6473
vegetative propagation 71, 2143, 3712, 5013, 6302
virgin forest 5557
volume determination 6381
waterlogging 6473
weed control 729, 2584, 2785, 3469
weight tables 1768
wildlife 543, 2582, 4016
wind 6510
wind damage 1736, 2899, 2900, 6340
wood anatomy 868, 3712, 6232
yield forecasting 807, 811
yield tables 1693, 2282, 5836, 5949
Picea abies* × *P. obovata 1908, 5326
Picea engelmannii
cones, pests 2498
fire effects 1873
foliage 2987
fungus diseases, resistance to 6634
insect pests, *Orgyia* 3982
land reclamation 2012
mycorrhizas 2012
natural regeneration 2178, 4723, 6317
plant water relations 233, 3641, 5974
provenance trials 3350
sapwood 2987
seed
germination 4686
storage 4692
streams, ecology 979
synecology 1873
Picea engelmannii mexicana 4206
Picea engelmannii* × *P. glauca 3350
Picea excelsa (see *Picea abies*)
Picea* × *fennica 1908, 5868, 6273
Picea glauca
air pollution, damage 3698
bark 2980, 3736
buds 3771
chemical constituents of plants 6048
chemotaxonomy 6048

Picea glauca *contd.*
competition 2774
cones, pests 2498
density of wood, sampling 1192
diseases 2623, 3118, 6634
bacterial diseases 473
cankers 4482
rust diseases 5601
drought resistance 3643
fertilizers 413, 691, 4222
flowers 5542
foliage
chemistry 4496
measurements 762
herbicide application 2774
hybridization 2453
increment 2260
insect pests 2623, 3118
Adelges 6683
Cacoecimorpha 3953
Choristoneura 3137, 3145, 3940, 3951, 4002, 6691, 6694
Lepidoptera 509, 1003
light 908
mycorrhizas 413
nursery management 2167
phenology 45, 2445
photosynthesis 341
plant nutrition 858
plant water relations 3643
plantations in
British Columbia 2823
Minnesota 2774
pollen 5542
provenance trials 3350
reaction wood 5515
seed 5601
seed orchards 45, 2139
seed sources 3372
storage 4692
variations 3050
site class assessment 792
site preparation 5362
soils 858
spacing 3490
species trials 3355
thinning 691, 746
throughfall 2594
tree breeding 933, 2139, 3050
vegetative propagation 6302
weed control 723, 727, 2774, 6350, 6351
weight tables 5947
yield forecasting 195
Picea glauca* × *P. sitchensis 3350
Picea glehnii 1557, 1812, 1827, 3615, 5260, 5542, 5637, 5870, 5904, 5977, 6686
Picea jezoensis 15, 102, 2437, 2981, 3534, 5096, 5097, 5542, 5637, 6027, 6028, 6399, 6683
Picea jezoensis hondoensis 5870
Picea koraiensis 4983
Picea koyamai 106, 5870, 6027
Picea mariana 816
air pollution, damage 3698
amelioration of forest sites 5903
bibliographies 3499
buds 3771
chemical constituents of plants, inorganic compounds 2913
clear felling 5833
cones, pests 2498
dendroclimatology 4105
diseases 6634
drainage 5903
fertilizers 682, 694, 5347, 5903
fire effects 3780, 4144
foliage, chemistry 4496
forest fires 4389
forest litter 1067
genetics 3841
hybridization 2453
ice damage 4105
insect pests
Choristoneura 3137, 3139, 3145, 3154
Ernobius 5669
Lepidoptera 509, 1041
mistletoes 487, 1936
natural regeneration 3780
nursery management 5874
nutrient cycles 850, 2324, 3655, 5833
phenology 45, 2445
pollination 3841
reviews 3499

Picea mariana *contd.*
seed
pests 4693
seed orchards 45, 674, 3841
seed sources 3372
storage 4692
simulation 1518
soil physics 5996
species trials 3355
succession 3780
tree breeding 3841
underwood 6573
vegetation types 2324
vegetative propagation 5874
volume determination 3537
weight tables 5947
wood anatomy 4406
Picea mariana* × *P. rubens 3190
Picea obovata
chemical constituents of plants 6027
cones, morphology 1908
foliage, chemistry 902
genetics 5326
hybrids 1908
photosynthesis 6536
provenance trials 5868, 6273
respiration 6536
seed 5326
stand characteristics 2849
tree breeding 390
vegetation types 1908
Picea omorika 2453, 6634
Picea orientalis 2506, 3167, 3734, 5463, 6376
Picea pungens 50, 2346, 3390, 3982, 4051, 5010, 5577, 5617, 6683
Picea rubens 683, 684, 685, 686, 687, 688, 689, 690, 723, 729, 762, 869, 870, 871, 1753, 2594, 2837, 2938, 3054, 3190, 3423, 3675, 4496, 5463, 6634, 6717
Picea schrenkiana 2595, 3351, 6683
Picea shirasawae 5870
Picea sitchensis 4359
air pollution 1767, 4921
bark beetles 4502
birds 2588
chromosomes 400, 3849
cones, pests 2498
dead trees 2937
decay in wood 2937
decayed wood 6215
deer 3237
diameter 3649
diseases 6634
root and butt rots 3080
seed 448, 5040
economics 3606, 4771
fertilizers 413, 415, 3632, 4257
flowering 3849
forest litter 4359
foxes 3233
frost resistance 2898
genetics 929, 1375, 6215
herbicides 2775, 2776
hydrology 5757
insect pests
Adelgidae 2506
Aphidoidea 6722
Dendroctonus 3963
Gilpinia 5714
Pissodes 4771, 5660
mycorrhizas 410, 413, 415, 422, 1383, 2464, 3874
natural regeneration 2763
nitrogen cycle 4359
nurse and auxiliary species 6364
nursery management 3411, 4226, 5040
nutrient cycles 4921, 5757
nutrient deficiencies 3400, 5979, 6215
plant nutrition 1383, 4360
plant water relations 1817, 3649, 4900, 4904, 6471
plantations in
British Columbia 5660
Scotland 4897
planting 2975
planting stock 4214
ploughing 2772
provenance trials 3350, 3839
roots 2772, 2975, 4403, 4897, 6471, 6474
salt tolerance 4356
seed
seed certification 3373

Picea sitchensis *contd.*
seed *contd.*
storage 4692
silvicultural systems, relation to wind 126
silviculture 4771
soil chemistry 3626, 3627
soil fertility 3627, 3632
soils 5555
species trials 3355
transpiration 3649, 3652
tree breeding 3352, 3839, 4214
waterlogging 4904
weed control 2779, 4257
wood anatomy, relation to growth factors 868
yield forecasting 6422
Picidae 6145
Picnic areas (*see* Amenity and recreation areas)
Pigs 2585, 3223
Piloderma croceum 947, 1916, 2765
Pineus cembrae 2506
Pineus orientalis 2506
Pineus pini 1940, 2506, 6684
Pinus
air pollution 6494, 6502, 6503
bark, anatomy 2370
biomass production 4244
cambium 315
chemical constituents of plants 5305
chemotaxonomy 5305
choice of species 5132
cleaning 1898
cones, development 347, 349
dendroclimatology 6494
diseases 1387, 1964, 3600
foliage 2492
root and butt rots 1395, 2478, 4248, 5057
rust diseases 478, 2486, 3087, 3914, 5623, 6673
seedlings 91, 949, 3079
wilts 1015, 1034
distribution 6548
farm woodlands 1898
fertilizers 1590, 5856
fire control 5806
fire effects 884, 1919, 4947
foliage 6503
forest fires 5806
forest litter 4509
forest resources 1540
genetics 1367, 2444, 3847
ground vegetation 3783
humus 5446
hybridization 389, 5016
hydrology 6781
increment 4807
insect pests 3119, 3184, 5141
Aphidoidea 1940, 3936
Blastophagus 5115
Cinara 2560
Coleoptera 1013, 1014, 1015
damage by 5109
Dendroctonus 1953, 4503, 4528, 4947, 5672
Dendrolimus 5100, 5138
Diptera 524, 525
Elasmopalpus 1427
Haematoloma 3127
Hymenoptera 1027
Ips 4503, 4947
Lepidoptera 1052, 1967
Matsucoccus 1946
Monochamus 5120, 5131, 5672, 6131
Pineus 6684
Scolytidae 1940
Sonsaucoccus 1946
Thaumatographa 3954
Thaumetopoea 5710, 5711, 6118, 6688
Thecodiplosis 5143, 5144, 5689, 6138
Tomicus 5672, 6128
leaves, anatomy 5305
mycorrhizas 419, 946, 1919, 3074, 6615
nematodes 1454, 1964, 3978, 4511, 4513, 4514, 5120, 5131, 5132
nomenclature 3015
nursery management 91, 2161, 5905
palaeobotany 1348
palaeoecology 378, 6558
phenology 315, 6519
plant ecology 1367

Pinus *contd.*
plantations in
India 2722, 2769, 2770, 4248
South East Brazil 5853
plantations on
alluvial sites 6266
mining wastelands 4051
sandy soils 6266
planting 4248
planting stock 2161, 4248
pollen 6557, 6558
pruning 91
resin tapping 4289, 4290
roots 1797
rotations 2277
seed 4206
seed orchards 2728
shoots, development 315
silviculture 2799
slash 311
soil chemistry 3626
soil water 2322
species trials, Tennessee 5305
succession 884
taxonomy 3015, 3059, 5544, 6548
tree breeding 389, 396, 2063, 2444
underwood 1898
valuation 3281
vegetation types 3796, 3832
weed control 2199, 2779, 5905
wilts 4511, 5131
Pinus albicaulis 1436, 2447, 2583
Pinus arizonica 5125
Pinus armandii mastersiana 2799
Pinus attenuata 1372, 3041
Pinus attenuata* × *P. radiata 3041
Pinus ayacahuite 4206, 4207
Pinus ayacahuite veitchii 4204, 4206
Pinus banatica (see *Pinus nigra*)
Pinus banksiana
air pollution 2960, 5538
biomass production 2842, 3541
buds 3730
clear felling 5833
cones 1560
direct sowing 1525
diseases
cankers 451, 3904
dieback 3904
rust diseases 3098, 5615
enzymes 3305, 5576
fertilizers 5347
fire danger 878, 3717
fire effects 3780, 4144
flowers 5542
forest fires 4389
forest management 816
fumes 284
genetics 2454, 3730, 5576
ground vegetation 3784
insect pests, *Dendroctonus* 1448
leaves, physiology 5538
light 908
mycorrhizas, fungi 409
natural regeneration 3780
nematodes 1965, 5682
nutrient cycles 5833
plant nutrition 858
planting stock 4230
pollen 5542
provenance trials 660, 2454
seed 1560, 5322
seed orchards 2063
storage 4691, 4692
shoots 3730
site preparation 3784
soils 858
species trials 3355
stand characteristics 4994
statistical methods 1525
succession 3780
synecology 4994
tree breeding 2063
vegetative propagation 2994, 5338, 6302
weed control 2198, 6351
weight tables 5947
wood anatomy 5999, 6014
Pinus banksiana* × *P. contorta 1252
Pinus brutia 1167, 1398, 1447, 3127, 4734, 5458, 6090, 6105, 6136
Pinus bungeana 505, 1834
Pinus canariensis 3753, 4393, 4422, 6090

Pinus caribaea
autecology 4998
bibliographies 5243
biomass production 1689, 3761
buds 893
chemical constituents of plants 6483, 6529
diameter, variations 3522
diseases 3832
foliage 468, 2493, 3909
root and butt rots 2477, 3888
roots 3889
seedlings 3078
distribution 4998
fertilizers 2154, 3522, 3869, 4273, 4706, 5348
flowering 3003, 6540
foliage 1686
forest litter 2319
forest management 2100
fungi 5043
genetics, variations 6585
gibberellins 3003
growth habits 886, 893, 1689, 2349, 4954
hybrids 5016
increment 790, 2800, 4273, 5415
insect pests 3832
leaves 1686, 6585
mycorrhizas 418, 1381, 3869, 4458
nematodes 3977, 5686
nursery management, soils 3869
nutrient cycles 6483
nutrient deficiencies 1381
plant disorders 886, 893
plant nutrition 4818
plantations in
Australia 1689
Brazil 3909
Congo 4458
Costa Rica 468
Malaya 4954
Malaysia 719, 886, 893, 4876
Puerto Rico 3246
South East Brazil 3522, 3644, 3888, 3977, 5853
Taiwan 2799
Tonga 1381
plantations on, agricultural land 3246
planting stock 4713
provenance trials 2722, 2723, 4198, 5319, 5857
seed 2732, 6281, 6540
seedlings 3869, 4818
shoots, development 892, 893
silvicultural characters 3832
silviculture 656, 4769
site preparation 2187
soil water 3644
soils 4876
spacing 2800, 4273
stem forms 790, 2252
thinning 4769
transpiration 1218, 3761
tree breeding 2116, 6529
vegetative propagation 2738
volume tables 2252, 2832
Pinus cembra 2118, 2370, 2506, 3753, 5346, 6448, 6592
books 6209
Pinus cembroides 3215, 4204
books 2644
Pinus clausa 664, 670, 2533, 4569
Pinus clausa clausa 3358
Pinus clausa immuginata 664, 2757, 3057, 3358, 6582
Pinus contorta
air pollution 1767
birds 2588
cones, production 5067
crown 2251
decayed wood 3656
density of wood 841
diseases 5298
dieback 2482, 5059
rust diseases 5067, 5615, 6662
stain fungi 6646
economics 3606
fertilizers 2752, 3235
fire danger 1202
fire effects 1873
flowers 5542
foliage 2987
frost resistance 2719

Pinus contorta *contd.*
genetics 1366, 1372, 1375, 3046, 3059, 6215, 6591
hares 3235
herbicides 2776
increment 3046, 6418
insect pests 5298
Coleoptera 1021, 1436
Dendroctonus 2482, 3163, 3168, 3207, 3967, 5117, 5245, 5251, 6646
Lepidoptera 997
Neodiprion 6727
Panolis 5703
Petrova 3156
Pissodes 5118
Rhyacionia 5703
Synanthedon 3156
land reclamation 2012
mistletoes 5067, 5086
mixtures 183
mycorrhizas 410, 2012, 3874
nursery management 2758, 2986, 3411, 4226, 6365
nutrient deficiencies 6215
plant nutrition 4360
plant physiology 1021
plant water relations 229, 233, 1817, 3641
plantations in
British Columbia 2823
Finland 6418
New Zealand 2719
planting 6365
pollen 5542
provenance trials 2214, 2720, 3046, 5298, 6272
pruning 2588
roots 2986, 6365, 6474
rootwood 3656
sapwood 2987
seed 4211, 6287
germination 4686
seed certification 3373
site preparation 5362, 6365
soils 5965
spacing 3493
squirrels 3235
stem forms 6263, 6365
stems, mechanics 2978
Sweden 2056
synecology 1873
thinning 125, 3235, 3493, 4266, 5117, 5910
transpiration 1807
tree and stand measurements 183
tree breeding, phenotypic selection 3046
vegetative propagation, grafting 5338
volume tables, weight tables 4303
weight tables 5947
wildlife, damage by 547
wind, resistance to 2978
wood anatomy 841
Pinus coulteri 1346
Pinus cubensis 3954
Pinus densiflora
bark 148, 2370, 2996, 5527
biomass production 1109, 2839, 5933
chemical constituents of plants 399, 952, 4969
crown, relation to roots 1785
diseases, root and butt rots 952
fertilizers 1591, 5885
fire effects 6514
flowering 1562, 3847
foliage, chemistry 526
forest litter 1749, 2839
genetics 3847, 5012
growth regulators 5534
hybridization 3847
hybrids 3845
increment 5933
insect pests
attractants 1955
Coleoptera 510
Dendrolimus 6120
Diptera 525, 526
Monochamus 1955, 1958, 3177
Shirahoshizo 1960
Thaumatographa 3954
mycorrhizas 3875, 4456
natural regeneration 3438
nematodes 1955, 3438, 5251, 5712

Pinus densiflora *contd.*
plantations in
Honshu 5178
Japan 3326
pollen 399, 6541
reaction wood 5521
roots 6514
seed, seed orchards 1562
seedlings 4969
site class assessment 3817
stand characteristics 368, 4805
stem forms, taper 160
succession 368
synecology 372, 3817
taxonomy 3847
thermal relations of plants 2996, 5531
tree breeding 399, 3847
vegetative propagation 2118, 4699
volume tables 167
wind 2312
wood anatomy 4966, 5521, 5999
Pinus densiflora* × *P. thunbergii 1811, 1899, 2450, 3845, 3847
Pinus douglasiana 4215, 4290, 4429, 4947, 5025
Pinus echinata
birds 1989
diseases
roots 2717
rust diseases 2717
drought injury 2897
erosion control 2962
fertilizers 2747, 2924, 5349
flowering 5349
forest litter 2962
genetics 6587
heat injury 2897
herbicides 4740
hybrids 2717, 6587
increment 6415
insect pests
Coleoptera 528
Dendroctonus 3162, 3986, 5695
natural regeneration 6322
phenology 6542
plant disorders 5541
plantations in, Illinois 2924, 2925
pollen 6542
seed 2747
seed orchards 2138
seedlings 2747, 6587
site class assessment 795
soil fertility 2925, 2962
spacing 812, 2962
thinning 5731
vegetative propagation 4699
volume determination 779, 812
weed control 2198, 3478
yield forecasting 3573
yield tables 813
Pinus echinata* × *P. taeda 2717
Pinus edulis 539, 1830, 2703, 3216, 5129, 6468
Pinus eldarica 2370, 5338, 6105 (see also *Pinus brutia*)
Pinus elliottii 2813
allelopathy 375
biomass production 2850
chromosomes 3846, 4449
controlled burning 2355
diseases
cankers 1407
foliage 2493
rust diseases 463, 465, 934, 1404, 2487, 4481
wilts 5612
fertilizers 82, 3524, 3525, 5349
fire effects, resistance to 4393
flowering 5349
foliage 1686
forest litter 3625
fuel plantations 6582
genetics 465
grazing 6759
humus 3625
hydrology 4032
increment 6326
insect pests
Coleoptera 528
Pissodes 2534
land reclamation 4569
leaves 1686
nematodes 3977, 4513

Pinus elliottii *contd.*
nitrogen cycle 3674
nutrient cycles 6335
plantations in
Florida 4830
Georgia 664
Louisiana 6759
Paraguay 2102
Shikoku 5861
South Carolina 664
South East Brazil 3977, 5853
provenance trials 2722
resin 3519
resin tapping 2811
seed 6296
germination 57, 375
seed orchards 934, 2138, 2487, 4481
shoots, development 892
silviculture 4769
site preparation 720, 4032, 6326, 6335
soil toxicity 2927
stand characteristics 6326
stem forms 3524, 3525
thinning 4769
tree breeding 465, 1198, 6582
vegetative propagation 3385, 4699
volume determination 779, 1198
weed control 3468
yield tables 813
Pinus flexilis 2012, 3753
Pinus glabra 4699
Pinus greggii 2493, 2722, 4206, 5047, 5563
Pinus halepensis
dendrochronology 6201
diseases 6090
rust diseases 5075
distribution 2434
fertilizers 4709
genetics, variations 5864, 6580
Greece 5462
injuries, air pollution 867
insect pests
Aphidoidea 3126
Matsucoccus 3932, 6105
Orthotomicus 1447
plantations in
arid regions 4255
Libya 2270
provenance trials 5017, 6580
site class assessment 2270
soil pollution 5462
soil types 5864
vegetation types 1482
weed control 4734
Pinus hartwegii 4206, 4472, 4814
Pinus herrerai 4206, 4290, 5047
Pinus insularis (see *Pinus kesiya*)
Pinus jeffreyi 957, 1372, 2561, 3127, 3876, 3980
Pinus kesiya
diseases
decay in trees 6635
foliage 3909
fertilizer application 2154, 3869
foliage 1686
insect pests
Camponotus 6146
Eulachnus 6146
Gilpinia 6710
leaves 1686
mycorrhizas 418, 2465, 3869
natural regeneration 6329
nursery management, soils 3869
plantations in, Brazil 3909
provenance trials 2121, 2722, 2723, 5319
seedlings, growth 3869
silviculture 3535
stand characteristics 3535
tree breeding 2116
underplanting in, broadleaves 1162
Pinus kesiya × ***P. thunbergii*** 3045
Pinus koraiensis 102, 106, 148, 167, 456, 2118, 2370, 2437, 4011, 4423, 4456, 4725, 4982, 5338, 6399
Pinus krempfii 5544
Pinus lambertiana 464, 971, 1372, 1390, 2486, 3079, 6334
Pinus laricio calabrica (see *Pinus nigra*)
Pinus laricio corsicana (see *Pinus nigra*)
Pinus lawsonii 4290, 4947, 5025
Pinus leiophylla 4290, 4947, 5025, 5047
Pinus luchuensis 2799, 5532
Pinus maritima (see *Pinus pinaster*)
Pinus massoniana 525, 2799, 4289, 4891, 5653, 6094
Pinus massoniana × ***P. thunbergii*** 3181, 4683
Pinus maximartinezii 4204
Pinus maximinoi 2154, 3832, 4290, 4429, 5042
Pinus merkusii 416, 678, 780, 886, 2596, 4289, 5319, 6094, 6329, 6635
Pinus michoacana 4206, 4207, 4290, 4947, 5025, 5042, 5047, 5104
Pinus monophylla 2431, 3694
Pinus montezumae 4206, 4290, 4454, 4455, 4745, 4947, 5025, 5042
Pinus monticola
cones 2137
diseases
cankers 458, 3899
rust diseases 2484, 2485, 2489, 3899
insect pests, Coleoptera 1436
mycorrhizas 410
plant disorders 5541
roots, adventitious roots 2988
vegetative propagation, tissue culture 2735
weed control 3476
Pinus mugo 2346, 2370, 3015, 3753, 5075, 5542, 5992, 6451
Pinus mugo mughus 3015, 6302
Pinus mugo pumilio 3015
Pinus muricata 2719, 2720
Pinus nigra
afforestation 5762
air pollution 247, 1767, 2343, 3693, 4931, 6495, 6497
biomass production 5948
chemical constituents of plants 399, 2992
dendrochronology 6202
diseases
root and butt rots 5039
rust diseases 4476, 5075
wilts 965
dust 272
fertilizers 89, 3392, 3693
flowers 5542
forest management 2279
genetics 398
hybrids 931
hydrology 3653
increment 3392
insect pests
Aphidoidea 3126
Diptera 525
Thaumetopoea 2515
land reclamation 4569
leaves 6023
light 5439
nematodes 1965, 5682
nursery management 89, 2203, 4226
plant ecology 2428
plantations in
Belgium 3500
Bulgaria 3392
France 1657
Portugal 4272
plantations on, eroded sites 5895
planting 2767
planting stock 4229
pollen 399, 5542
provenance trials 2122
roots, deformation 5354
salt injury 1279
seed, germination 3370
shelterbelts 5039
silviculture 4272
site preparation 3693
soil toxicity 5473
soils 5965
spacing 5900
taxonomy 6023
thinning 5900
transpiration 3653
tree breeding 399, 1906
vegetative propagation 2118, 5338, 6302
weed control 2203
yield tables 5948
Pinus nigra caramanica 2370
Pinus nigra × ***P. sylvestris*** 931
Pinus occidentalis 2099
Pinus oocarpa
autecology 4998
bibliographies 9
Pinus oocarpa *contd.*
chemical constituents of plants 6529
controlled burning 5490, 5491
damping off 5042
diseases 3832
foliage 3909
root and butt rots 3888, 5047
distribution 4998, 5563
exotics 5563
fertilizer application 2154, 3869
forest management 2100
growth habits 886
hybrids 5016
increment 5415
insect pests 3832
mycorrhizas 418, 3869, 5025
nematodes 3977
nursery management, soils 3869
plant disorders 886
plantations in
Brazil 3909
Malaysia 886
South East Brazil 3644, 3888, 3977, 5853
provenance trials 2121, 2722, 5319
reproductive behaviour 4952
resin tapping 4290
reviews 749
seed 4206, 4207, 6281
seedlings, growth 3869
silvicultural characters 3832, 4952
soil water 3644
taxonomy 5563
tree breeding 2116, 6529
Pinus oocarpa ochoterenai 4206
Pinus palustris
chromosomes 3846, 4449
controlled burning 3453
flowering 2401
forest litter 3625
grazing 6759
humus 3625
increment, height 4809
nutrient cycles 6335
plantations in
Georgia 664
Louisiana 6759
South Carolina 664
Southern States (USA) 4809
site class assessment 4809
site preparation 6335
tree breeding 2401
weed control 6357
yield tables 813
Pinus parviflora 2799, 3846, 4449
Pinus patula
biomass production 5001
chemical constituents of plants 3748
deer, damage by 3937
diseases, foliage 2493
distribution 5563
energy relations 5001
exotics 5563
fertilizer application 2154
foliage 1686
increment 2888
insect pests
Eulachnus 3937
Pineus 3937
leaves 1686
mycorrhizas 421, 5025
nutrient cycles 3748
plantations in, Tanzania 815, 3726
provenance trials 2722, 2723
seed 4206, 4207
site class assessment 2888
taxonomy 5563
thinning 2274
vegetative propagation 2738, 4215
volume tables 166, 2832
yield tables 2274
Pinus patula tecumumanii 5563
Pinus peuce 5338, 6384
Pinus pinaster
bark, uses 84
chemical constituents of plants, organic compounds 1823
defoliation 3599
direct sowing 4245
diseases 6090
roots 2472
rust diseases 3097, 5075
drought resistance 3348

Pinus pinaster *contd.*
fertilizers 4709
fire effects, resistance to 4393
genetics 1905, 5859
history 2079
increment 4245, 6472
insect pests
Aphidoidea 3126
Matsucoccus 3933
Pissodes 6125
juvenility 4702
mycorrhizas 5597
plant water relations 3348
plantations in
Bulgaria 6506
France 2079
provenance trials 3348, 3933, 5859
reaction wood 6506
remote sensing 3592, 3599
roots, deformation 1823
seed 5323
silviculture 1649
soil water 6472
soils 2314, 2316
stem forms 1330, 1649
stems, growth 1330
succession 2314
thinning 4245
tree breeding 4704
vegetative propagation 1575, 1577, 1579, 1905, 4702, 4704, 5338
weed control, weed trees and shrubs 6195
wind, effect on growth 872
Pinus pinea 867, 1196, 2384, 2385, 3097, 3628, 3753, 4971, 5075, 6090
Pinus pityusa 2370, 5338
Pinus pityusa stankewiczii 2370, 5338
Pinus ponderosa
air pollution 957, 1260, 2344
biomass production 800, 1445
browse 3211
chemical constituents of plants 2543
control 6346
controlled burning 313
dendrochronology 3265
diseases
decay 957
root and butt rots 2478, 5039, 5053, 6643
roots 957, 2480, 5606, 6643
seedlings 1390
fire control 1286
fire danger 1202, 1286, 2967, 5422
foliage 313, 2987
forest fires 1301
forest management, multiple use 201
genetics 1366, 1376, 6469
herbicides 6334
insect pests 5630
Choristoneura 2529
Coleoptera 529, 1436
Cylindrocoptorus 2561
Dendroctonus 1260, 1445, 2543, 3168, 3188, 4001, 5663, 5720, 6741
Haematoloma 3127
Ips 2543, 3165, 3965
Lepidoptera 1036, 1429
Nuculaspis 5638
Scolytidae 6643
Thaumatographa 3954
mistletoes 5085
mycorrhizas 410, 412, 2464
nutrient cycles 2940
plant water relations 6469
plantations in, Ukrainian SSR 671
provenance trials 667, 2214, 6469
roots, mechanics 4561
rotations 201
sapwood 2987
shelterbelts 5039
site preparation 6333, 6334
streams, ecology 979
thermal properties of wood 2967
thinning 201, 4001, 4758
tree breeding 1902
underwood 4460
vegetation types 1301
volume tables 4303
weed control 2198, 3476
weight tables 4303
Pinus pringlei 4290, 4503, 4947, 5563
Pinus pseudostrobus 2100, 4215, 4290, 4429, 5025, 5042, 5857
Pinus pseudostrobus apulcensis 4206, 4429
Pinus pseudostrobus oaxacana 4206, 4207, 4429
Pinus pumila 903, 1154, 2370, 2381, 3906, 6541
Pinus radiata
air pollution 6498
bark 84, 1149
biomass production 651, 2841, 5936
books 4128
chemical constituents of plants 2469
clear felling 5758
density of wood 1149, 2961
diseases
bacterial diseases 475
dieback 4467
foliage 970, 3100
roots 5892
economics 750
fertilizers 652, 2748, 3396, 3397, 3524, 3525, 4254, 4709, 4710
fire effects, resistance to 4393
foliage, chemistry 970
forest litter 2917
forest management 138
forest resources 31
frost resistance 2719
genetics 3041, 3100, 5311, 5484
green manures 4711
growth habits 2974
heartwood 5504
herbicide application, phytotoxicity 114
increment 138, 140, 2844, 4813, 5484, 5928, 5935
insect pests 5631
Dothistroma 2491
Sirex 1972
juvenility 2974
mensuration 139, 3530
mycorrhizas 2469, 4711, 5892, 6607, 6608
natural regeneration 3396
nursery management 2162
nutrient cycles 3397, 3753, 4914, 5460
nutrient deficiencies 5461
phenology 4916
plant nutrition 4916, 5461
plant water relations 653
plantations in
Australia 4271
Chile 750, 4271
New South Wales 2858
New Zealand 2719, 4271, 4634, 4752
South Africa 4271
Spain 4271
Victoria 4869
planting stock, protection 5892
poles 4726
pollen, chemistry 3753
provenance trials 1149, 2720, 5311
resins 2961, 3041
roots 5758
salvage logging 4869
sample plot technique 4813
sapwood 5504
seed 3753, 4697
shelterbelts 5177
silviculture 750, 4271, 4726
simulation 4726, 4813
site preparation 4254, 4736
snow damage 6450
soil chemistry 2942
spacing 763, 3501
stem forms 3524, 3525
thinning 652, 2858, 3396, 4634, 4710, 4756, 4757, 4759, 4764, 4868, 4869, 5928
tree breeding 3100, 4697, 6083
underwood 440
vegetative propagation, shoot cuttings 2974
weed control 1169, 3524, 4736, 4737, 4738
wind damage 4868, 4869, 5437
wood anatomy 2961, 4128, 5437, 5504
yield forecasting 3571
yield regulation 2858
yield tables 3571
Pinus resinosa
air pollution 2960
allelopathy 5553
Pinus resinosa *contd.*
biomass production 2325, 2859, 3541
chemical constituents of plants 237, 238
competition 5553
crown 184, 237
diseases
cankers 2880, 3904, 4482
root and butt rots 4468
wilts 965
fertilizers 2924
foliage, chemistry 1224
forest management 816
fungus diseases 5379
green manures 4711
ground vegetation 3782
increment 85, 136, 805
insect pests 5379
Dioryctria 6695
Neodiprion 1450, 2559
land reclamation 944
mycorrhizas 944, 4711, 5593
nematodes 1965, 4510, 5682
nitrogen cycle 2325
nursery management 2167
plant nutrition 858
plantations in, Illinois 2924, 2925
planting stock 85
provenance trials 3353
roots 2325, 5593
seedlings 5593
silviculture 5379
soil fertility 2925
soils 858
spacing 2859
thinning 2793
throughfall 2594
tree breeding 5574
vegetative propagation 6302
weed control 724, 730, 2198, 3479, 6350, 6351
weeds 5553
yield forecasting 805
Pinus rigida 2972
biomass production 4310
distribution 3797
fertilizers 2159
flowers 5542
foliage, chemistry 526
genetics 1374
insect pests, Diptera 526
mycorrhizas 420, 2159, 4456
nematodes 4510
nursery management 2159
plantations on, eroded sites 558
planting season 4725
pollen 5542
provenance trials 48
roots 4878
seed, germination 3370
vegetative propagation 4699
wood anatomy 5999
Pinus rigida × ***P. taeda*** 4725, 420, 936, 3875, 4456, 5926, 333, 6615
Pinus roxburghii 143, 1669, 1686, 2152, 2153, 2277, 2493, 2723, 2845, 3851, 4305, 4691
Pinus rudis 4206
Pinus sabiniana 3954, 5085
Pinus serotina 4699
Pinus sibirica
bark, anatomy 2370
chemical constituents of plants 6027
foliage, chemistry 902
forest litter 1746
insect pests 5099
Dendrolimus 5138
plant nutrition 3678
plus trees 6286
protection forest 2592
resin tapping 1787
seed 6286
vegetative propagation 1154, 2118, 6304
***Pinus* 'Southern'** 813, 826, 874, 882, 1051, 1105, 2198, 2689, 3166, 3366, 4181, 4327, 6386, 6387
Pinus strobiformis 1497
Pinus strobus
air pollution 293, 296, 2948, 2955, 3682, 6496
chemical constituents of plants 2992
diseases
cankers 967, 4482
root and butt rots 6496

Pinus strobus *contd.*
diseases *contd.*
roots 6496, 6636
rust diseases 1987, 3093, 3906, 6092
wilts 965
dust 251
electrical phenomena in trees 384
fertilizers 692, 2924, 3390
fire danger 2967
foliage 296, 3552
forest management 816
genetics 251, 2455
green manures 4711
herbicides 1172
increment 175, 384, 3552, 6235
increment tables 743
insect pests
Camponotus 2621
Coleoptera 1023, 1024, 1435
Curculionidae 6496
Hemiptera 985
Hymenoptera 1029
Pissodes 3172
Thyridopteryx 6689
mycorrhizas 2466, 4711, 5593, 6609
nematodes 1965, 4510
nursery management 1172, 2167, 2785
palaeoecology 3794
plantations in, Illinois 2924, 2925
provenance trials 2214, 2455, 5299, 5308
pruning 3093
reaction wood 873
roots 5593
seed, germination 3705
seedlings 5593
soil fertility 2925
stems, mechanics 873
street trees 2621
synecology 3027
thinning 743
throughfall 2594
tree breeding 5574, 5575
voles 1987
weed control 723, 727, 729, 2198, 2785, 4251
wood anatomy 5999
Pinus strobus chiapensis 4206, 4207, 5020
Pinus sylvestris
acid rain 1245, 2330
agroforestry 2180
air pollution 860, 862, 1229, 1238, 1240, 1765, 1767, 2334, 2341, 2342, 2949, 3701, 3842, 5475, 5536, 5988
amelioration of forest sites 4220
amenity and recreation areas 3264
artificial regeneration, vs. natural regeneration 155
assortments and assortment tables 169, 744, 6394
bark 2370, 6034
biomass production 156, 180, 3291, 4312, 5408, 5414, 6410
birds 2588
branches 1652, 1653
browsing damage 1993, 2587, 4547
buds 2448, 6591
cambium 3764
canopy 2822, 6377
chemical constituents of plants 335, 391, 399, 955, 1804, 1820, 2992, 2998, 3403, 6027, 6029
chlorosis 4893
cleaning 6355, 6708
competition 1652, 1653
cones 3369, 5327, 6289
crown 174, 839, 1652, 1653, 1734, 3546
deer 1980, 5148
dendrochronology 2341
dendroclimatology 1691, 4162, 6338
density of wood 303, 304, 401, 1768
direct sowing 2179, 3445, 6332, 6383
diseases
cankers 1820, 1929, 2483, 2880, 4482
decay fungi 6632
dieback 1820, 1929
foliage 1411, 1416, 1932, 1933, 3102, 3911, 6670
fungus diseases 5077
root and butt rots 955, 1393, 1925, 6630
rust diseases 1820, 4476, 5075, 5615
seedling 482
wilts 965

Pinus sylvestris *contd.*
distribution 6577
drainage 1645, 6022, 6337, 6338
drought 3403
drought resistance 1553
dust 272
economics 4714, 6440
electrical phenomena in trees 42, 6071
entomology 6134
epiphytes 2949
erosion control 4036
fertilizers 74, 75, 76, 79, 693, 695, 748, 955, 1155, 1166, 1582, 1583, 1585, 1587, 1588, 1589, 1597, 1645, 1647, 1650, 1694, 1760, 1993, 2155, 2233, 2323, 3072, 3394, 3399, 3403, 3404, 3405, 3406, 4910, 5345, 5351, 5569, 6289, 6307, 6308
fibres 6526
Finland 4312
fire effects 5995, 6215
fire suppression 2360
flooding 4903
flowering 53, 352, 355, 394, 1369
flowers 5542
fodder 3752
foliage 324, 336, 902, 1411, 1776, 2247, 2375, 2822, 3593, 3752, 4413, 5425, 6003, 6289, 6402, 6531, 6670, 6744
forest influences on, soils 4349, 4354
forest litter 1745, 6460
forest management 2279, 6440
forest recreation 1091, 4586, 6197
form factors 6376
frost resistance 1553, 6591
fumes 259
fungi 5022
gas regime of plants 6034
genetics 391, 395, 398, 1903, 3056, 5860, 6589, 6590, 6591, 6592, 6593
variations 935
ground vegetation 927, 1647, 4446, 5009, 5569
growing stock 5942, 5943
growth habits 3495, 6534
growth regulators 355, 394, 1369, 1821, 5537, 6534
hail damage 839
herbicides 111, 113, 1172, 5373, 6355
humus 4889
hybrids 931, 6588
hydrology 3653, 5749
increment 19, 178, 186, 1091, 1691, 1692, 1694, 2448, 3403, 3406, 3555, 3701, 3764, 5942, 5943, 6337, 6366, 6383, 6396, 6413, 6414, 6417, 6418, 6419, 6440
insect pests 5099, 6740, 6744
Acantholyda 6712
Aradus 3123, 5110, 6685
Coleoptera 392
control 6153
Dendroctonus 5113
Dioryctria 2523
Diprion 1451, 6711
Hylobitelus 6705
Hylobius 1961, 3203, 6709, 6746
Hymenoptera 1025, 1042
Lymantria 2569
Neodiprion 6711
Panolis 2528, 3193
resistance to 392
Siricidae 2550
Tomicus 3164, 5717, 6708
ionizing radiation 3711
irrigation 1647, 2323
land reclamation 944
leaves 158, 2998, 5475, 6022
lichens 1980
light 1692, 1776, 5439, 6377
measurement of roundwood 146, 1683
mensuration 2247
microclimatology 573, 1734
mining wastelands 2155
mixtures 1640, 1641, 1642, 3498, 5949
mycorrhizas 412, 944, 947, 3072, 6606
natural regeneration 99, 839, 884, 2245, 4027, 6320, 6323, 6383
nature conservation 572
nematodes 1453, 1965, 4510, 5719
nursery management 1172, 1597, 1598, 1599, 1961, 2203, 2762, 3399, 3415, 3416

Pinus sylvestris *contd.*
nutrient deficiencies 1220, 1221, 3400, 4893, 6478
phenology 6518, 6591
photosynthesis 1734, 1819, 1822, 2998, 3000, 3763, 5536, 6307
plant disorders 345, 3169
plant morphology 6577
plant nutrition 3291, 4910, 6475
plant physiology 226, 326
plant tumours 4491
plant water relations 2323, 3452, 5537, 6466
plantations 1644, 1651, 1829
plantations in
Finland 93, 6327, 6331, 6383, 6417, 6418
German Democratic Republic 5371
Poland 3498, 3572
RSFSR-in-Europe 95, 3445, 6366
Ukrainian SSR 717, 2180, 5414, 6396
plantations on
eroded sites 5895
marginal land 1164
mining wastelands 4048, 6478
peatland 6327, 6337
wetlands 747, 1155
planting 3452
planting methods 747
planting season 1178
planting stock 1178, 1588, 1612, 3763, 4229, 6328
plus trees 1903, 5318, 6588
pollen 399, 5542
pollination 6075
protection forest 1648
provenance trials 42, 304, 1553, 2118, 2120, 2214, 2448, 5318, 5453, 5860, 5867, 6267, 6274, 6588
pruning 1639, 2588, 5912, 5913, 6363
resin tapping 306, 759, 1671, 2233, 2812, 5921
resins 395, 1671
respiration 909, 1819
roots
development 322, 887, 1166, 6532
physiology 909, 2378, 6535
rootstocks 6304
rotations 3575
salvage logging 6394
sanitation fellings 6394
seed 1559, 3404, 5581, 6577, 6588, 6591
germination 55, 3367, 3370
production 53
quality 5327
seed orchards 52, 58, 1904, 2141, 4688
storage 4691
variations 54
shoots 325, 6022, 6518
silviculture 1644, 2089
site class assessment 787, 1704, 2259, 3565, 4822
site preparation 107, 747, 1166, 1615, 1619, 1829, 6328
site types 3404
slash 2183
soil biology 3640, 4896
soil chemistry 3621
soil cultivation 2180
soil formation 2320
soil physics 2317
soil toxicity 5473
soils 5965, 6366
spacing 2180, 2259, 5900, 5913
species trials 3355
stand characteristics 1769, 2245, 2247, 5414, 6383, 6414
statistical methods 146
stem forms 152, 170, 1694, 6381
taper 153
synecology 1355
temperature 352
thermal relations of plants 887, 6531
thinning 122, 717, 748, 1583, 1631, 1633, 1634, 1635, 1636, 1693, 2209, 3485, 3495, 3604, 4714, 4782, 5900, 5942, 5943, 6361, 6362, 6419, 6708
throughfall 2965
transpiration 226, 3653
tree breeding 399, 1903, 3842, 5581, 6588, 6589
undergrowth 1650
underwood 1650

Pinus sylvestris *contd.*
vegetation types 74, 926, 2626, 3036, 6197, 6567
vegetative propagation 3385, 6302
grafting 69, 2141
rootstocks 2118, 5338
shoot cuttings 3383
tissue culture 1154, 2740
virgin forest 2245, 5557
volume determination 6381
weed control 113, 1627, 2203, 5371, 6355
weight tables 1768, 3546
wildlife, damage by 76
wind 6510
wind damage, protection against 5942, 5943
wood anatomy 868, 3764
yield forecasting 5942, 5943
yield regulation 717, 1636, 1706
yield tables 155, 1693, 3572, 5949
Pinus sylvestris hamata 2370, 3734
Pinus sylvestris lapponica 2370, 4370
Pinus sylvestris mongolica 2523
Pinus tabulaeformis 525, 3096, 5338
Pinus taeda
air pollution 292, 943, 2958, 5482
allelopathy 375
Arkansas 5316
browse 1059
canopy 4339
chemical constituents of plants 2930, 3302, 6586
cones 6725
pests 2513, 2519
controlled burning 4946
density of wood 932
diseases
cankers 1407
roots 2717, 3892, 6496, 6636
rust diseases 934, 1404, 2717, 3088, 3092, 3099, 4477, 4481, 5070, 5350
wilts 5612
drought injury 2897
economics 6439
erosion control 2962
fertilizers 1059, 1156, 2158, 2747, 2750, 2780, 2792, 2924, 2934, 3680, 5349, 5350, 5777
flowering 3053, 3769, 4699, 5349
foliage, analysis 2750
forest litter 2962
form factors 5404
genetics 292, 1372, 3042, 3053, 3055, 3092, 5315, 5316, 6236, 6578, 6586, 6587
ground vegetation 245
heat injury 2897
herbicides 2781, 2783, 6349, 6493
hybrids 2717, 6587
increment 763, 4311, 5350, 6415, 6439
insect pests
Coleoptera 528, 1017
Dendroctonus 3162, 3986, 5695
Dioryctria 2513, 2519, 5693, 6725
Lepidoptera 505, 993, 1039
Leptoglossus 6725
Monochamus 3177
Rhyacionia 5694, 5773
Tetyra 6725
land reclamation 4569
light 4339
lignification 1326
mycorrhizas 408, 943, 5350
natural regeneration 6322
nematodes 4510
nursery management 408
nutrient cycles 2934
phenology 6542
plant nutrition 245, 1156, 2663, 3680
plantations in
France 1150
Georgia 664, 4732
Illinois 2924, 2925
Shikoku 5861
South Carolina 664, 4311
plantations on
mining wastelands 5773, 5777
wetlands 6341
pollen 6542
provenance trials 3055, 3088, 5315, 5316
remote sensing 2663
resin 3519

Pinus taeda *contd.*
resins 3042
salt injury 4346
seed 2747, 4212
collection 677
germination 57, 375
pests 3994
seed orchard 4481
seed orchards 716, 934, 2138, 2519, 4699
seedlings 2747, 6587
site class assessment 189, 796, 1156, 6408
site preparation 4732, 4946, 6336
soil cultivation 716
soil fertility 2925, 2962
soil toxicity 2927
soil water 2930
soils 1156
spacing 812, 2962
stand characteristics 2825, 2826, 6408, 6409
thinning 1059, 2792, 3308, 5731, 6439
tree breeding 932, 3099, 6583
vegetative propagation 4699
volume determination 190, 779, 812, 6395
volume tables 6385, 6388, 6395
weed control 2198, 2780, 2781, 2782, 2783, 2784, 3478
weight tables 6378, 6388, 6404
wood anatomy 1326
yield forecasting 3573
yield tables 813, 6423, 6424
Pinus taiwanensis 2799, 3074, 5594, 5653
Pinus tecumumanii 5563
Pinus tenuifolia (see *Pinus maximinoi*)
Pinus teocote 4206, 4290, 4947, 5025
Pinus thunbergii
biomass production 5365
chemical constituents of plants 4929
cones 5321, 5586
diameter 4301
fertilizers 2151, 5882
flowering 1562, 3847
foliage, chemistry 526
genetics 3847
hybridization 3847
hybrids 3845
increment 4301
insect pests
Crinocraspeda 5653
Dendrolimus 6120
Diptera 525, 526
Lepidoptera 494
Monochamus 3177
mycorrhizas 4456
nematodes 1966, 4510, 5251
nursery management 1594
nutrient deficiencies 5761
photosynthesis 4928
plant anatomy 6042
plant nutrition 5761
plantations in, Japan 3326, 5365, 5366
plantations on
coastal areas 5365, 5366
dunes 5365, 5366
pollen 6541
pollination 5586, 6042
respiration 4928
seed 5321
seed orchards 1562
selection forest 4301
shelterbelts 5761
soil pollution 4928, 4929, 4930
stand characteristics 5366
taxonomy 3847
tree breeding 3847, 5586
vegetation types 3833
vegetative propagation, shoot cuttings 66
water pollution 4928, 4929, 4930
weight determination 5417
wood anatomy 1966
Pinus uncinata 2606, 3015, 3753, 6448
Pinus virginiana 556, 1407, 2138, 2159, 2198, 2958, 4510, 4699, 4740, 5349, 5772, 5778, 6346, 6579
Pinus wallichiana 2127, 2133, 3205, 3753, 4492, 5338
Pinus yunnanensis 3753, 4289
Pioneer species 1858, 2928, 3789, 4977, 6617
Piper hispidum 2402

Piper porphyrophyllum 6530
Piptadenia macrocarpa 751
Piptocarpha densifolia 357
Piptocarpha ramboi 357
Piptocarpha rotundifolia hatschbachii 357
Piresodendron 5510
Pisolithus tinctorius 408, 409, 412, 413, 418, 943, 947, 1914, 2012, 2159, 2172, 3869, 3875, 4453, 4454, 4455, 4456, 4458, 5350, 5594, 5597, 6609, 6613, 6614
Pisonia grandis 227, 6622
Pissodes approximatus 1453, 2539, 3172
Pissodes castaneus 6125
Pissodes fiskei 6126
Pissodes nemorensis 2534, 2539
Pissodes strobi 1023, 1024, 1435, 2127, 2539, 3172, 4771, 5660
Pissodes terminalis 5118
Pistacia lentiscus 1332, 1340, 4734
Pistacia vera 3368, 3517, 5387
Pithecellobium dulce 4787
Pithecellobium racemosum 6324
Pittosporum obcordatum 6062
Pityogenes 6127
Pityogenes chalcographus 1020, 1444, 2542, 3195, 3266
Pityohyphantes 2505
Pityokteines 6127
Placodiscus 359
Placusa tachyporoides 3196
Plagianthus betulinus 3081
Plagiodera versicolora 5707
Plagiotrochus amenti 3972
Plagiotrochus burnayi 3972
Planning 1520, 4646, 4648, 5284
bibliographies 5242
Plant anatomy 896, 900, 2979, 2980, 4964, 5958, 5959, 6042, 6545 (*see also* plant parts concerned, e.g. Bark ; Leaves)
Plant disorders 344, 886, 893, 1689, 2391, 2392, 2393, 2497, 3169, 4425, 4470, 4981, 5539, 5540, 5541, 5796
Plant ecology 150, 151, 316, 317, 340, 639, 1317, 1852, 2428, 2429, 3338, 3724, 4434
books 1511, 5231
Plant geography 2119, 3800, 3801, 3830, 4434, 5272
Plant morphology 334, 3004, 3005, 3006, 4125, 4951, 6076
abnormalities 405, 3737
reviews 4405
Plant nutrition 652, 858, 977, 1244, 1761, 2173, 2326, 3544, 3870, 4452, 4872, 4910, 4912, 4918, 5345, 5458
C 5724
Ca 240, 1223, 2910, 3394, 3675, 3679, 4707, 4906, 6475, 6485
conferences 3291
Fe 3675, 3677, 6484
K 240, 1223, 1810, 2910, 3394, 3398, 3404, 3675, 3678, 3679, 3759, 4707, 4818, 4906, 4916, 5980, 6475
methodology 2944, 4360, 6233
Mg 240, 1223, 3394, 3679, 4906, 6475
Mn 3675, 3679
Na 240, 3675, 3679
nitrogen 240, 245, 434, 1156, 1223, 1337, 1810, 2753, 2754, 2755, 3394, 3398, 3404, 3409, 3675, 3678, 3759, 3871, 4707, 4818, 4906, 4916, 5032, 5353, 5484, 5724, 5761, 5884, 5980, 6475, 6520
nutrient uptake 1383, 1915, 1918, 2910, 3391, 4225, 4360, 4818, 4909, 5032, 5033, 5353, 5459, 5980, 6620
P 240, 1223, 1383, 1478, 1810, 1915, 1918, 1920, 2910, 2947, 3394, 3398, 3404, 3409, 3675, 3677, 3678, 3679, 3680, 3759, 3871, 4360, 4707, 4818, 4916, 5484, 5980, 6475, 6484, 6520
research 4183
reserves 4087, 4095
S 857, 5460, 5461, 6475
Zn 3675
Plant physiology 226, 270, 326, 339, 900, 1277, 1602, 1861, 3004, 3005, 3006, 3724, 5534, 6032 (*see also* process, function or agency concerned, e.g. Photosynthesis; Plant water relations; Growth regulators)
books 1104, 5231
reviews 4452
Plant tumours 4491

Plant water relations 227, 233, 239, 342, 721, 948, 1752, 1753, 2321, 2323, 2759, 2954, 3001, 3002, 4378, 4901, 4902, 4903, 4904, 4976, 5169, 5458, 5917, 5964, 6059, 6334, 6466, 6467, 6470, 6580 (*see also* Foliage, water relations; Roots, water relations)
adaptation 1325, 1332, 1336, 1755, 1790, 5455, 231, 940
books 6, 1510, 5807
growth 3382, 3649, 4898
methodology 228, 229, 1217, 1218, 1817, 2068, 3641, 4358, 4900, 4971
simulation 234, 3648
systems analysis 1817
water stress 6, 235, 236, 460, 653, 891, 951, 1217, 1809, 1817, 1827, 2009, 2388, 2468, 2929, 3403, 3452, 3613, 3641, 3642, 3643, 3646, 3765, 4423, 4452, 4502, 4899, 4900, 4987, 5454, 5455, 5537, 5540, 5617, 5974, 5977, 6469, 6471 (*see also* Soil water, soil water depletion)
Plantations 1612
conferences 5830
economics 619, 1729, 2104
effect of fertilizer application 2741
effect of rotations 4271
history 3270
methodology 4730
relation to ecology 377, 803, 3263, 3324, 6740
relation to hydrology 2596, 3446, 5176, 6258, 6262
silviculture 105, 719, 1644, 1651, 1729, 2866, 3455, 4730, 4731, 4753, 5358, 5830, 5895, 6325, 6331 (*see also* Planting; Weed control)
wildlife 1991, 4538
Planting 3452, 4089 (*see also* Spacing)
books 696
economics 2182, 5363
group planting 103
machines 104, 2807, 2809, 4280, 4286, 5919
planting methods 94, 747, 1494, 2606, 2767, 2975, 4199, 4255, 6365
row orientation 103, 104
soil treatments 2157, 2182, 4199
tools 2768
work studies 103, 4286
Planting season 102, 1178, 1608, 4725, 5355
Planting stock
acclimatization 3763
age 6328
balled stock 102, 1493, 4229, 6330
bare rooted stock 1178, 1493, 1598, 1599, 2161, 3452, 4201, 4713, 4768, 5890, 6328
bibliographies 3374
conditioning 4712, 4713
economics 2071, 4214, 6310, 6328
grading 85, 2165, 3421, 5352, 6330
handling 2166
measurements 3421
protection 106, 982, 2142, 2185, 4246, 5362, 5892 (*see also* Antitranspirants)
shoot cuttings 70, 1153, 2142, 5874
size 1612, 2221, 2758, 2761, 2807, 5299
standards 2221
storage 698, 718, 1153, 1608, 2142, 2756, 2757, 3410, 3419, 5889
stumps 718, 5890
use of containers 86, 87, 666, 1178, 1592, 1613, 2182, 2758, 3068, 3413, 3414, 4051, 4201, 4229, 4230, 4768, 6310, 6328, 6613 (*see also* Nursery management, use of containers)
vegetative propagation 2758, 4214, 4739
Plataninium haydenii 1796
Platanus 1403, 3094, 4526, 5603
Platanus* × *acerifolia 1579, 2724, 3130, 3988, 4378, 4702, 5073, 5797, 5989, 6504, 6671
Platanus occidentalis 1456, 3346, 3930, 3931, 5306
air pollution 2958
biomass production 1377, 4908, 6257
chemical constituents of plants 4908
fertilizers 5779
fuel plantations 6257
Platanus occidentalis *contd.*
genetics 1810, 3854, 6596
ground vegetation 245
growth regulators 92
increment 5222
insect pests, *Elasmopalpus* 1427
mycorrhizas 414, 3867
nematodes 5685
nursery management 92
plant nutrition 245, 1223, 1810, 2910
plantations in
Illinois 2923, 2926
Mississippi 1223
plantations on, mining wastelands 5779
provenance trials 3854
pulpwood production 1660
soil chemistry 2910
soil cultivation 1223
soil fertility 2923, 2926
tree breeding 1377, 3854
vegetative propagation 2142
wounds 5222
Platanus orientalis 228, 1400, 2740, 3902, 4310, 5306, 5307
Platanus racemosa 5257
Platygaster 5129
Platygaster matsutama 5141
Platypodidae 5661
Platypus 3960
Platypus apicalis 6130
Platypus caviceps 6130
Platypus gracilis 6130
Plectocomia 760
Pleioblastus chino 1788
Pleioblastus simonii 1788
Pleioceras orientale 1343
Pleistophora ganapatii 5704
Plemeliella abietina 1033, 1561
Pleolophus braizonus 6142
Ploughing 108, 1584, 1600, 1829, 2179, 2187, 2772, 2975, 3508, 3509, 4282
Plumeria rubra 3019
Plus trees 404, 1903, 1910, 2456, 3845, 4447, 4448, 5318, 6286, 6588, 6601
Pocket gophers 1610
Podocarpus 1806, 3935
Podocarpus archboldii 4362
Podocarpus cinctus 4362
Podocarpus costalis 3019
Podocarpus ferrugineus 6555
Podocarpus hallii 5552
Podocarpus usambarensis 3377
Poeciloneuron indicum 2262
Poisoning of animal pests 6743
Poisonous plants 2228
Poland
Abies 2764
Abies alba 4069, 4611
air pollution 250, 863, 1233, 3693, 5056, 5470, 5988, 6629
ants 6679
birds 3222, 5155
Crataegus 3031
Diprionidae 6711
diseases of trees 3911
economics 3555
fertilizers 3403, 5345
forest administration 3318, 5272
fuel plantations 2710
fungi 5022
fungus diseases 1416
history 3319
Hylobitelus abietis 6705
increment 3555
insect pests 981, 3917, 3942, 5717, 6153
land use 3319
Larix decidua 5644
machines 122
mixtures 3498
national parks 863, 3222, 6679
natural regeneration 2764, 5359
nature conservation 3815, 4069
nursery management 3416
osiers 6714
Phytobia cambii 6714
provenance trials 1555, 1556, 3910
rotations 3575
rust diseases 1412
silvicultural conversion 3426
site class assessment 4822
site types 926
soil types 3271, 3617
Tetrastes bonasia 6165
Poland *contd.*
thinning 122
vegetation 3815
vegetation types 926, 3617, 4822, 4895, 4896, 5009, 5022, 5155
virgin forest 5557
yield tables 3572
Zeiraphera diniana 5644, 5656
Pollaccia elegans 6667
Pollaccia letifera 4483
Pollaccia radiosa 4483
Pollaccia ramulosa 4483
Pollen
allergens 2115
analysis 920, 1864, 1867, 2446, 2627, 3795, 3796, 3808, 4604, 4797, 4996, 5559, 5561, 5562, 6058, 6555, 6556, 6557, 6558, 6559
anatomy 6521
books 4
chemistry 399, 2999, 3753
collection 3773
cytology 3773, 4296, 4407
development 3773, 6542, 6543, 6546
germination 3057, 5542, 6041, 6541, 6546
identification 4, 6057
irradiation 931
morphology 4407, 6057
spread 1341, 3770, 6555, 6556
viability 2999, 3057, 4296, 6041
Pollination 346, 353, 912, 2398, 3057, 3841
by insects 2396, 2397, 3061, 3684
cross pollination 350, 1373, 3061, 5585, 6072, 6075
fertilization 4096, 6042
open pollination 5585
self pollination 1373, 3061, 3848, 5585, 6072, 6075, 6078
statistical methods 6072
techniques 402
wind 4426
Pollution 26, 866, 2332
from vehicles 6497
industrial wastes 299, 2951, 3704, 4366, 4376, 5462, 5471, 5481
methodology 3709, 5481
role of trees 4028, 4030
urban wastes 2158, 6500, 6793
Polyploidy (*see* Chromosomes; Genetics, ploidy; Tree breeding, ploidy)
Polyporus adustus 5056
Polyporus betulinus 5049
Polyporus tomentosus 4469
Polyporus tomentosus circinatus 4469
Polystictus triqueter 4469
Populus 6087
agroforestry 2803
air pollution 3708
amelioration of forest sites 4220
bacterial diseases 5079
bibliographies 2
biomass production 1658, 2803, 2846, 4244, 4908
books 2646, 2647
chemical constituents of plants 4908
choice of species 5313
clones 5226
conferences 599, 1517, 4138, 5832
control 6350
coppice 1624
diseases 5624, 5826
bark 2471
cankers 476, 4479, 5304, 5614, 5832, 6628, 6661
decay fungi 956
foliage 466, 1412, 1413, 1414, 1415, 1934, 5296, 5603, 5622, 6628, 6667, 6668, 6674
rust diseases 457, 1412, 1413, 1414, 1415, 3103, 4705, 5068, 5614, 5622, 6674
viruses 476, 2494, 5832
witches' brooms 476
drought resistance 1752
economics 211, 2883, 5431
effect on soils 845
farm woodlands 2614
fire danger 2967
foliage 1658, 6024
forest management 5826, 5832
forest resources 631
frost injury 5079

Populus *contd.*
fungicides 6675
genetics 5826
growth habits 5309
herbicides 1624, 2777
hybridization 402, 3855, 5304, 6087
hybrids 406, 2547, 3855
increment 176, 2836, 4715
insect pests 3920, 5296, 5826
Aegeriidae 3268
Cerambycidae 5664
Lepidosaphes 6102, 6103
Lygus 3929
Monsteira 5710
Paranthrene 5137
Phloeomyzus 5710
Phyllocnistis 3132
Phyllodecta 1442, 3959, 5107
Pygaera 3160
resistance to 1442
Saperda 5136
land reclamation 4053
mensuration 4299
mining wastelands 4436
mycorrhizas 6615
Newfoundland 5448
periodicals 5226
plant water relations 1752
plantations in
Belgium 176
Bulgaria 2714, 2883
France 1722
German Federal Republic 2224
Italy 1722
Korea Republic 128
Michigan 5296
Netherlands 129
plantations on
alluvial land 2130
fields 845
polluted sites 6793
reclaimed land 129, 5771
provenance trials 2222, 2223
remote sensing 1722
roots 6793
rust diseases 466
seed, storage 4694
shelterbelts 2803
silviculture 599, 656, 1616, 2222, 2224, 2646, 2804, 2805, 3504, 4138, 4278, 5309, 5613, 5826, 5832
site types 5448
spacing 2883, 4715
standards, planting stock 2221
thermal properties of wood 2967
tree breeding 128, 3103, 3132, 3929, 3959, 4450, 5107, 5304, 5622, 6087
vegetative propagation 68, 2547, 2740, 4213, 4705, 6088
wildlife 548, 4535
wounds 6675
yield tables 2857
***Populus* 'Agathe F'** 6628
Populus alba 228, 2143, 2463, 3062, 4483, 5304, 5873
Populus alba hickeliana 3103
Populus alba pyramidalis* × *P. tremula davidiana 1571
Populus alba* × *P. glandulosa 65, 73, 4310, 4698, 5018
Populus alba* × *P. grandidentata 3062
Populus alba* × *P. tremuloides 3062
Populus angustifolia 1948
***Populus* 'B-201-B'** 5886
***Populus* 'Bachelieri'** 2883
Populus balsamifera 198, 534, 823, 2379, 2714, 5733, 5918, 5947, 6351
***Populus* 'Beaupré'** 5107
***Populus* 'Bergerac'** 4739
Populus berolinensis* × *P. candicans 1616
***Populus* 'Blanc de Garonne'** 4739
***Populus* 'Canada Blanc'** 5613
***Populus* × *canadensis* aggr.**
afforestation 6495
air pollution 6497
chemical constituents of plants 1802
clones 5226
defoliation 343
diseases
cankers 5613, 6660
foliage 3101
mildews 5076
rust diseases 3103, 5065

***Populus* × *canadensis* aggr.** *contd.*
diseases *contd.*
viruses 2494
growth habits 5309
insect pests
Coleoptera 516
Leucoma 2530
Phyllocnistis 3132
Phyllodecta 3959
landscape 4589
nursery management 6660
plantations in
Bulgaria 2714
Pakistan 672
silviculture 2220
stem forms, taper 161
tree breeding 3132, 3959, 6087
wood anatomy 5503
Populus canescens 2221, 2463, 4483, 5304, 5410, 5925
***Populus canescens* × (*P. alba* × *P. grandidentata*)** 3855, 5410
Populus canescens* × *P. grandidentata 1581
Populus ciliata 2999, 3387, 4039, 4221
Populus deltoides
air pollution 2333
chemical constituents of plants 2997, 5778
diseases
cankers 5303
dieback 5039
foliage 472
mildews 5076
rust diseases 3103, 5065, 5072
fertilizers 5777, 5779
flooding 3654
increment 5169
photosynthesis 2997, 4972
plant nutrition 1223
plant water relations 5169
plantations in
Mississippi 1223
Pakistan 672
plantations on, mining wastelands 5777, 5778, 5779
provenance trials 5303
shelterbelts 5039, 6181
soil cultivation 1223
soil toxicity 1274
tree breeding 1274, 6087
vegetative propagation 5872
Populus deltoides angulata* × *P. trichocarpa 1616
Populus deltoides* × *P. maximowiczii 5076
Populus deltoides* × *P. nigra 1616
Populus deltoides* × *P. 'Raverdeaux' 1581
Populus deltoides* × *P. trichocarpa 653, 3132, 3959, 4589, 5107
***Populus* 'DN-17'** 752
***Populus* 'Donk'** 90, 5226
***Populus* 'Dorskamp'** 90, 252, 5614
***Populus* 'D60'** 6087
Populus* × *eugenei 5309
Populus euramericana (see *Populus* × *canadensis* aggr.)
***Populus* 'Fritzi Pauley'** 2210, 4739
***Populus* 'F2'** 4715
***Populus* 'Gaver'** 3959
***Populus* 'Gelrica'** 2490
***Populus* 'Geneva'** 252
Populus grandidentata 198, 823, 1595, 2463, 2494, 3430, 5304, 5410, 5649
Populus grandidentata* × *P. sieboldii 1572
***Populus* 'I-214'** 1824, 2220, 2490, 2714, 2883, 4334, 4715, 4739, 6089
***Populus* 'I-37/61'** 6628
***Populus* 'I-39/61'** 6628
***Populus* 'I-45/51'** 752, 4239, 6088, 6089
***Populus* 'I-63/51'** 4573
***Populus* 'I-69/55'** 6628
***Populus* 'I-72/58'** 6628
Populus laurifolia* × *P. nigra 1616
***Populus* 'M-50'** 5886
***Populus* 'Marilandica'** 2490
Populus maximowiczii 4694
Populus maximowiczii* × *P. nigra italica 65
Populus maximowiczii* × *P. trichocarpa 297
***Populus* 'Muhle-Larsen'** 2126
***Populus* 'NC-5326'** 1658

***Populus* 'NE-1'** 5309
***Populus* 'NE-229'** 5309
***Populus* 'NE-252'** 3504
***Populus* 'NE-353'** 1658
***Populus* 'NE-372'** 5309
***Populus* 'NE-386'** 5309
***Populus* 'NE-387'** 5309
***Populus* 'NE-388'** 2954, 4479
***Populus* 'NE-48'** 1658
***Populus* 'NE-50'** 3504
***Populus* 'NE-58'** 1658
***Populus* 'NE-98'** 5309
Populus nigra 672, 2126, 2345, 3103, 3470, 3628, 3936, 3959, 4220, 5107, 5226, 6087
Populus nigra betulifolia* × *P. trichocarpa 908, 3929, 1616
Populus nigra italica 3708, 6667
***Populus* 'Northwest'** 3855
Populus pyramidalis (see *Populus nigra*)
***Populus* 'Rap'** 90
***Populus* 'Regenerata Deutschland'** 2490
***Populus* 'Robusta'** 90, 220, 2220, 2714, 4276, 4277, 5334, 5614
***Populus* 'Rochester'** 5226
***Populus* 'Serotina'** 2714
Populus simonii fastigiata 6035
***Populus* 'Spijk'** 90, 5314
Populus tacamahaca (see *Populus balsamifera*)
Populus thevestina (see *Populus nigra*)
Populus tremula
bibliographies 2
biomass production 6400
control 119, 120, 723, 729, 5372
density of wood 2463
diseases
foliage 4483
root and butt rots 6085
fertilizers 1585
foliage 5425, 6085
forest litter 1746
genetics 2460
growth regulators 2143
light, canopy effects 6446
measurement of roundwood 146
nurse and auxiliary species 2176, 6320
roots 2176
salt injury 2346
seed, storage 4694
silvicultural characters 6065
statistical methods 146
suckering 2176
thinning 1635
tree breeding 2459, 2463
vegetation types 6065
vegetative propagation 2143, 2734, 5336
weed control, weed trees and shrubs 111, 113
wood anatomy 2463
Populus tremula* × *P. tremuloides 2147, 3060
Populus tremuloides
biomass production 791, 5410
chemical constituents of plants 906, 2913
competition 3430
control 534, 2774, 6351
coppice 5410
deer 5733
density of wood 2463
diseases
cankers 459, 5304
foliage 4483
viruses 2494
fertilizers 81, 5918
fire danger 3718
fire effects 2427
forest fires 2971
forest litter 1067
forest management 198, 816
forest resources 823
genetics 1366
grazing 6762
greenhouses 1595
ground vegetation 3783, 6762
herbicide application 3471
increment 5410
insect pests, Lepidoptera 1007
light, light relations 4977
logging 243
Minnesota 4906
natural regeneration 2427, 3429, 3430, 6317, 6318, 6552

Populus tremuloides *contd.*
nursery management 1595
nutrient cycles 242, 243, 850, 2324
plant nutrition 858, 4906
snow damage 6318
soils 858
streams, ecology 979
succession 6552
suckering 3429, 6317, 6552
synecology 2441
thinning 3481, 5918
throughfall 2594
translocation 4906
transpiration 4977
tree breeding 2459, 2463, 5304
undergrowth 6552
underwood 6762
vegetation types 791, 2324, 2441
volume determination 162
weight determination 2263
weight tables 5947
wood anatomy 2463
Populus trichocarpa 2126, 2211, 2221, 3106, 3132, 3642, 3959, 4589, 5226, 6087
***Populus trichocarpa* 'Brühl 8'** 2126
Populus tristis 3855
***Populus* 'Tristis No. 1'** 908, 2993, 3725
***Populus* 'Unal'** 3959
***Populus* 'Walker'** 1153
***Populus* 'Wisconsin-5'** 5309, 5613
***Populus* 'Zeeland'** 5614
***Populus* '1260'** 90
Porcupines 5615
Poria hypolateritia 5390
Poria medulla-panis 5607
Poria placenta 4471
Poria tenuis 4471
Poria weirii (see *Inonotus weirii*)
Porthetria dispar (see *Lymantria dispar*)
Portugal
biomass production 1197
forestry development 3323
fungus diseases 2472
legislation 3323
Phoracantha semipunctata 6701
Pinus nigra 4272
Prunus avium 4134
vegetation types 1217
Pouteria 6018
Pouteria luzonensis 225
Powder-post beetles (see Wood borers)
Pratylenchus penetrans 1387
Precipitation 1685, 5100
canopy effects 5488, 5749, 6172, 6782
chemical composition 282, 851, 2328, 2932, 3240, 3291, 3610, 3673, 3688, 3706, 4364, 5749, 5757
bibliographies 10
effect on hydrology 800, 2596, 3630, 3653, 5755, 6172, 6777
hydrology aspects 1894, 2932
injuries by 282, 1245
bibliographies 10
measurements 2594, 3240, 3241, 5436, 5488, 5750, 5751, 5752, 5753, 5754, 5755
statistical methods 3609
Predators of insect pests 2533, 4516
attractants 3196, 6741
biology 2560, 3980, 4521
books 3267
detection 4527
ecology 990, 1938, 1944, 2508, 2515, 2522, 4920, 6679, 6717, 6718
effect of insecticides 3188
identification 2554, 3267
resistance to 2505, 4525, 5711
trapping 3196, 4526
Premna latifolia 3742
Presbytis cristata 3236
Prices 2884, 6442
Primocycas chinensis 1846
Prince Edward Island
insect pests 2497
provenance trials 3353
Priophorus ulmi 3970
Prioria copaifera 2117, 2163, 2265
Pristiphora 5706
Pristiphora erichsonii 3179, 5123, 5706
Pristiphora geniculata 3993, 5706
Pristiphora wesmaeli 5123
Private forestry 22, 217, 561, 597, 626, 627, 634, 705, 835, 1043, 6805
Private forestry *contd.*
conferences 1119, 1120
economics 1730, 2885, 3605, 4172, 5236, 5237, 6438
England 5236, 5237
Finland 1651, 1731, 6438
France 1537
German Federal Republic 36, 2110, 5211
Hokkaido 5291
Honshu 4274, 4649, 4655, 4730, 5420
Korea Republic 4172
Kyushu 3605
Louisiana 5435
Minnesota 3334
Netherlands 2882
Nigeria 2096
Ontario 6186
Scotland 4860, 4861
South Carolina 4179, 4180, 4181
Southern States (USA) 2690
Sweden 6256
Tasmania 4178
USA 1125, 1543, 3293, 6245
Wales 5236, 5237
Prociphilus fraxini 6682
Progeny trials (see Tree breeding, progeny testing)
Propaganda (see Public relations)
Prosopis 49, 1684, 2737, 4676, 4677, 5592
Prosopis chilensis 4685
Prosopis cineraria 133, 4210, 5210
Prosopis glandulosa 540, 2778, 3230, 3666, 4005, 4287, 5500, 5535, 5726, 6750, 6763
Prosopis juliflora 601, 885, 2705, 5724, 6464
Prosopis juliflora glandulosa 5724
Prosopis laevigata 4787
Prosopis spicigera 1539, 2436, 3743
Protea neriifolia 4390
Protea repens 4390
Protection forest 549, 575, 1648, 4027, 4552, 4566, 4978, 6168, 6173, 6175, 6516, 6623, 6794
books 2048
Protection of forests 3790, 4013, 4535, 6325
Protective clothing, standards 40
Proteoteras aesculana 4498
Proteoteras crescentana 4498
Proteoteras willingana 4498
Protium 2117, 2163
Protozoa 3122, 5704, 6723
Provenance trials
Abies alba 2451, 3363
Abies grandis 2131, 2716
Acacia mangium 6276
Acer rubrum 3349
Acer saccharum 3356
Alnus glutinosa 5297, 5301
Arkansas 5316
Australia 4198
Austria 2452, 3363
Brazil 4198
Bulgaria 5318
California 49, 6469
Capital Territory 1149
Central America 4429
Colombia 2121
conferences 4626
Cupressus arizonica 4203
Czechoslovakia 3360
Denmark 2223
Eastern States (USA) 2127
Eucalyptus 2129
Eucalyptus alba 5319
Eucalyptus camaldulensis 662, 2124, 5865
Eucalyptus deglupta 5319
Eucalyptus grandis 2129, 4192
Eucalyptus obliqua 6484, 6485
Eucalyptus saligna 4192
Eucalyptus urophylla 5319
Fagus crenata 5317
Fagus sylvatica 3360
Finland 47, 304, 6588
France 1556, 1778, 2120, 3348, 3933, 5311, 5578
Fraxinus americana 44
Fraxinus excelsior 6269
Fraxinus pennsylvanica 5310
German Democratic Republic 1554
Provenance trials *contd.*
German Federal Republic 2131, 2214, 2222, 2716, 3361, 5297, 5298
Greece 5859
Himachal Pradesh 4221
Honshu 5317
Illinois 2455, 5308
India 2722
Israel 662, 2124, 5017, 5865
Ivory Coast 4198
Japan 2715
Kazakh SSR 1553
Kenya 4192
Korea Republic 48
Lake States (USA) 660
Larix decidua 1555, 4944
Larix laricina 668
Larix leptolepis 2715
Larix occidentalis 3047
Leucaena leucocephala 2721, 4201
Louisiana 3854
Madhya Pradesh 4201
Malaysia 4198
Maryland 5302
Minnesota 667, 2454
Montana 2123
New Brunswick 3354
New Zealand 2720
Northern Rocky Mountains 3047
Nova Scotia 3353, 3354
Ohio 5299, 5301, 5303
Ontario 44, 3350, 5310
Oregon 3838
Orissa 5857
Pennsylvania 2122
Picea abies 43, 47, 304, 1554, 2452, 3354, 3361, 3840, 3843, 5302, 5868, 6077, 6273
Picea engelmannii 3350
Picea glauca 3350
Picea obovata 5868, 6273
Picea sitchensis 3350, 3839
Pinus banksiana 660, 2454
Pinus caribaea 2722, 2723, 4198, 5319, 5857
Pinus contorta 2214, 2720, 3046, 5298, 6272
Pinus elliottii 2722
Pinus greggii 2722
Pinus halepensis 5017, 6580
Pinus kesiya 2121, 2722, 2723, 5319
Pinus maximinoi 4429
Pinus merkusii 5319
Pinus nigra 2122
Pinus oocarpa 2121, 2722, 5319
Pinus patula 2722, 2723
Pinus pinaster 3348, 3933, 5859
Pinus ponderosa 667, 2214, 6469
Pinus pseudostrobus 4429, 5857
Pinus radiata 1149, 2720, 5311
Pinus resinosa 3353
Pinus rigida 48
Pinus strobus 2214, 2455, 5299, 5308
Pinus sylvestris 42, 304, 1553, 2118, 2120, 2214, 2448, 5318, 5453, 5860, 5867, 6267, 6274, 6588
Pinus taeda 3055, 3088, 5315, 5316
Pinus wallichiana 2127
Platanus occidentalis 3854
Poland 1555, 1556
Populus 2222, 2223
Populus ciliata 4221
Populus deltoides 5303
Prince Edward Island 3353
Prosopis 49
Prunus serotina 5300
Pseudotsuga menziesii 1556, 1778, 2123, 3838, 3910, 5578
Puerto Rico 4198
Quercus robur 6269
RSFSR-in-Europe 43, 5868, 6274
Siberia 5867
South Africa 4198, 5863
South Carolina 4203
South Central States (USA) 3088
South East Brazil 2129
Southern States (USA) 3055
Sweden 6272
Switzerland 4944
Tectona grandis 5319
Texas 3854
Thailand 4198
Toona ciliata australis 5319

Provenance trials *contd.*
Tropics 5319
Ukrainian SSR 42, 2448, 5453, 6269
USA 3349, 5315
USSR 5860, 6267, 6273
Uttar Pradesh 2721, 2723
Virgilia divaricata 5863
Virgilia oroboides 5863
Washington 3838
West Virginia 2122, 3356, 5300
Wisconsin 668
Zambia 4198
Pruning 738, 2588, 4590, 5355
economics 1639, 5911
effect on flowering 2977
effect on growth 1185, 2658, 2795, 2982, 2983, 2984, 5378, 6363
effect on wood 302, 739, 1639, 2982, 2983, 2984, 4743, 5912, 5913
equipment 5911
machines 4283
natural pruning 4743, 5378
planning 1185
relation to diseases 91, 950, 2484, 3093, 5073, 6648
relation to wounds 6675
slash 6479
tools 3496, 4283
wound healing 1638, 6199
Prunus 2905, 4694, 6350
Prunus americana 5893
Prunus armeniaca 6516
Prunus avium 4491
bibliographies 4134
Prunus bucharica 3517
Prunus lannesiana asahiyama 320, 321
Prunus mume 321
Prunus padus 492, 2188, 2521
Prunus pensylvanica 723, 846, 5443, 5649
Prunus sargentii 247, 5465
Prunus serotina
calorific value 376
density of wood, relation to stand characteristics 376
fertilizers 78
insect pests
Coleoptera 1018
Hyalophora 2527
Hydria 4520
Lymantria 5649
mycorrhizas 414, 3867
natural regeneration 3440
provenance trials 5300
pruning 5378
stem forms 4300
succession 376
thinning 5378
volume tables 4300
Prunus spinosa 501, 5098
Prunus virginiana 5082
Prunus wallichiana 2493
Prunus yedoensis 321
Pselliopus cinctus 2533
Pseudaulacaspis pentagona 6681
Pseudocladia 5507
Pseudohylesinus nebulosus 1443
Pseudolarix amabilis 5653
Pseudolmedia spuria 4122
Pseudomonas fluorescens 1399
Pseudomonas syringae 475, 1921, 3106, 5079, 6677
Pseudomonas syringae savastanoi 4484
Pseudopachymerina spinipes 512
Pseudopityophthorus 3895
Pseudosamanea guachapele 2162
Pseudotsuga caesia (see *Pseudotsuga menziesii*)
Pseudotsuga flahaultii (see *Pseudotsuga menziesii*)
Pseudotsuga forrestii 5014
Pseudotsuga gaussenii 5014
Pseudotsuga glauca (see *Pseudotsuga menziesii*)
Pseudotsuga japonica 5014
Pseudotsuga macrocarpa 1255, 1346
Pseudotsuga menziesii
air pollution 247, 1231, 3842
biomass production 800, 3562
browsing damage 2587
chemical constituents of plants 3410, 4913
chipping 5377
Christmas trees 1417
Pseudotsuga menziesii *contd.*
chromosomes 5014
clear felling 1063
competition 4987
cytology 3304
decay in wood 2939
diseases
foliage 469, 1417, 3910, 6669
root and butt rots 1395, 1926, 2474, 3110, 3887
roots 5046, 5048, 5052, 5606
seedlings 1390, 5036, 5037, 5044, 5602
economics 2881
epiphytes 441
fertilizers 415, 652, 1136, 2753, 2754, 3390, 4708, 5683
fire danger 1202, 2967, 2968
fire prevention 2968
flooding 4903
flowering, induction 6030
foliage 319, 2987, 4915
forest fires 1294, 1305
forest management 2279, 2864
genetics 397, 1367, 1372, 1373, 1375, 2123, 2449, 3049, 3051, 3838, 5578, 5579, 5858, 6074, 6590
grazing 6752
growing stock, control 5943
growth habits 1761
hares 2185
herbicides 1622
history 1305
increment 3562, 5914, 5943, 6265
insect pests
Aphidoidea 6722
Barbara 2517
Choristoneura 2512, 2529, 3138, 3946, 3947, 3992, 4522, 5642, 5702, 6690
Contarinia 3995
damage by 3138
Dendroctonus 2663, 6141
Gnathotrichus 5119, 5700
Halisidota 3155
Hemiptera 984
Lepidoptera 989, 990, 998, 1005
Nepytia 6738
Orgyia 3982, 5647, 6731
Pseudohylesinus 1443
Scolytidae 4846
Xyloterus 5700
juvenility 4702
light 6539
mining wastelands 4047
mixtures, tree and stand measurements 183
mosses 1854
mulching 2185
mycorrhizas 410, 415, 1751, 1916, 2464, 3071, 4459, 5036, 5037, 6607
natural regeneration 438, 2529, 6317
nematodes 5683
nursery management 84, 2759, 3410, 3411, 4226, 5683
nutrient cycles 1854, 2940, 4913
nutrient deficiencies 3400
palaeoecology 920
phenology 1778
photosynthesis 3006, 6538, 6539
plant ecology 1367, 2123
plant morphology 3004, 3005, 3006
plant nutrition 1761, 2753, 2754, 4909, 5914
plant physiology 3004, 3005, 3006
plant water relations 239, 342, 4987, 5974
plantations in
British Columbia 5660
France 2215
German Federal Republic 5914
Idaho 6752
Latvian SSR 4772
Netherlands 2881
USSR 50
plantations on
eroded sites 5895
mining wastelands 4051
planting 2654, 2767
planting stock 1612, 3410, 4229
pollen 920, 2446
pollination 353, 1373
provenance trials 1556, 1778, 2123, 3838, 3910, 5578
remote sensing 2663, 4332
Pseudotsuga menziesii *contd.*
rodents 1063
roots 2985, 2988, 3304, 3410, 5354, 6030, 6508
rotations 6265
sapwood 2987
seed
diseases 5044
periodicity 59
production 59, 353
seed certification 3373
seedlings 3004, 3005, 4811
shoots 4975
silvicultural systems 4768
silviculture 2089, 2216, 4772
simulation 2864, 4161
site preparation 1136, 2185, 6333
soil chemistry 239
soils 2922, 5555
squirrels 4007
stem flow 2963
streams, ecology 979
succession 2922
thermal properties of wood 2967
thinning 308, 4266, 4744, 4762, 5046, 5377, 5943, 6358
transpiration 6538, 6539
tree breeding 1371, 1902, 3049, 3838, 3842, 4772, 5015, 5579, 6581
tropisms 4975
underwood 4460
vegetation types 1294, 1305
vegetative propagation 1579, 2740, 4702, 6074, 6302
volcanoes 6511
weed control 727, 1469, 2198
wildlife 543, 1469
wind damage, protection against 5943
yield forecasting 2215, 5943
yield regulation 1725
Pseudotsuga menziesii glauca 2512, 4206, 6333
Pseudotsuga microcarpa 5014
Pseudotsuga sinensis 5014
Pseudotsuga wilsoniana 5014
Pseudowintera axillaris 1794
Pseudowintera colorata 1794
Psidium guajava 5499, 6277
Psilocorsis cryptolechiella 2558
Psilocorsis quercicella 2558
Psilocorsis reflexella 2558
Psylla peregrina 2508
Psyllidae 2508, 3919
Pteleocarpa 1795
Pteridium aquilinum 1171, 1627
Pterocarpus angolensis 3443
Pterocarpus echinatus 3746
Pterocarpus indicus 241
Pterocarpus marsupium 100
Pterocarpus santalinus 338, 403, 1151
Pterocarya rhoifolia 3804, 6559
Pterostichus pennsylvanicus 6717
Pterygophorus interrupta 2552
Pterygota alata 773
Public relations 2076, 2111, 6250
Puccinia psidii 461
Puerto Rico
land reclamation 3246
natural regeneration 3246
provenance trials 4198
Puffinus griseus 6068
Pulicalvaria thujaella 6111
Pulpwood production
management 443, 5287
silviculture 869, 870, 871, 1660, 4808
simulation 1518
Punica granatum 5499
Punjab
Pygaera restitura 3160
vegetation types 2438
Purshia tridentata 444, 542, 2377, 3217, 5732, 5741, 6751
Putranjiva roxburghii 2236
Pycnanthus angolensis 3584
Pygaera restitura 3160
Pyraloidea 3955
Pyrrhalta viburni 3962
Pyrus calleryana 5800
Pyrus communis 6271
Pythium 1391, 1392, 4467, 6627
Pythium irregulare 5037
Qualea multiflora 890
Qualea parviflora 890

Quality control 5352
Quarantine 3898, 5624
Quebec
Abies balsamea 5344, 6117
Acer saccharum 6070
Betula 6057
biological control 3993
biomass production 5410
birds 6157, 6158
cankers 459
catchment areas 1066, 1067, 1068
Choristoneura fumiferana 1041, 1433, 3140, 3540, 3951, 4523, 4524, 5651, 6117, 6732
dendroclimatology 4105
energy relations 2964
Fagus grandifolia 6070
farm woodlands 5410
fertilizers 5344, 5347, 5918
fishes 5742
forest fires 1314
history 1314
ice damage 4105
increment 194
insecticides 3140, 5742
Lamdina fiscellaria 3157
Lymantria dispar 1461, 5649
national parks 3828
Phyllophaga 2538
Pinus rigida 3797
pollen 6057
remote sensing 1516
silviculture 1504
site preparation 4282
synecology 6070
thinning 5918
treelines and timberlines 1314
vegetation types 1314, 1504, 3655, 3828, 5649, 6070
Queensland
Acacia 6241
Acacia mangium 6276
Araucaria cunninghamii 4353
browse 1188
dunes 1478
erosion 5176
Eucalyptus brassiana 2412
forest litter 4353
fungus diseases 452
grazing 2552
hydrology 227
Lophyrotoma interrupta 2552
mangroves 452
mycorrhizas 1478
nutrient cycles 2936
ornamentals 5798
phenology 892
Pinus 892
plantations 5176
shrubs 5798
silviculture 4769
thinning 4761, 4769
trees 5798
vegetation types 227, 3826
Quercinium crystallifera 1796
Quercus
air pollution 1339, 1419, 2949, 6444
biomass production 2269, 4825
birds 1989, 6770
browse 5728, 5729
chemical constituents of plants 2943
cleaning 4743
conferences 1130, 1142, 1179, 1346, 1419, 2064
control 6493
coppice 5449, 6316
dendrochronology 2034, 5801
diameter 1681
diseases
cankers 460
foliage 5603
root and butt rots 5054
rust diseases 3087
wilts 1418, 1928, 3895, 6091
distribution 2973
drought injury 2901
epiphytes 2949
evapotranspiration 6778
fire effects 1419, 1919
flooding 1419
foliage, chemistry 2526, 5523
forest ecology 1200
forest litter 2933, 4890, 5967, 6461
Quercus *contd.*
forest resources 1540
fruit 1142
fuels 1142
fungus diseases 1419
galls 5122
grazing 1142, 5728, 5729
height measurement 776
herbicides 4740
history 2671
hydrology 2972, 3242
increment 3560, 4031
injuries, drought 460
insect pests 1419, 2497, 4493, 5101
Anisota 2526
Aphidoidea 3936
Coleoptera 5688
Cynipidae 5122
disease vectors 3895
Lepidoptera 1038
Psilocorsis 2558
Tortricidae 5655
Tortrix 3133, 3134, 6140, 6734
leaves, physiology 1339
Mediterranean Countries 2973
mining wastelands 4436
mycorrhizas 1919, 6613
nomenclature 2671
nutrient cycles 243, 2933, 2972
phenology 3133, 3134
photosynthesis 1339
plant disorders 5541
plant tumours 4491
pollen 6543, 6557
pruning 4743
salt injury 1419
seed, storage 4694
silviculture 2064
stand characteristics, structure 1868
succession 1344, 6568
taxonomy 2973
transpiration 1339
tree breeding 6594
vegetation types 925, 1200, 1482, 3807, 6316, 6572, 6778
vegetative propagation, shoot cuttings 6300
volume determination 2828
volume tables 2830
weed control 4733, 5728, 5729
wildlife 1142, 1419, 3225
Quercus acutissima 167, 450, 556, 923, 1814, 3412, 5329, 5391, 5392, 5780, 6613
Quercus agrifolia 1179, 1200, 1339, 1346, 1419, 1984
Quercus alba 145, 3975
air pollution 2948
chemical constituents of plants 1847
cleaning 4743
control 725, 6351
diseases
decay fungi 3893
wilts 3085
drought injury 2897
fertilizers 1656, 2190
flowers, development 5502
forest litter, decomposition 847
heat injury 2897
improvement fellings 4267
insect pests
Goes 1956
Lymantria 4499
plant water relations 2321
pruning 4743
silvicultural conversion 3473
site class assessment 188, 3556
stand characteristics, structure 1887
stem forms 4300
succession 1889
vegetation types 6572
vegetative propagation, shoot cuttings 6300
volume tables 4300
weed control 2190
Quercus bicolor 1847
Quercus boissieri 5438
Quercus borealis (see *Quercus rubra*)
Quercus calliprinos 5438
Quercus candicans 4493
Quercus castanea 4493
Quercus castaneifolia 3938
Quercus cerris 234, 5466, 5523, 5676, 6268, 6316, 6444, 6770, 6778
Quercus chrysolepis 1200, 1346
Quercus coccifera 1217, 1222, 1325, 1332, 1340, 1345, 4734
Quercus coccinea 1628, 2263, 3473, 3556, 4300, 5444
Quercus crassifolia 4493, 4787
Quercus crassipes 4493
Quercus crispula 1563, 3433
Quercus dalechampii 5466
Quercus dealbata 3727, 3728
Quercus dilatata 4288, 4416
Quercus douglasii 1200, 1984
Quercus dumosa 1364
Quercus durandii breviloba 3231
Quercus engelmannii 1200
Quercus faginea 1482, 2904
Quercus falcata 1951, 2901, 4024, 6527
Quercus frainetto 2269, 2929, 5454, 5483, 5523, 6316, 6770, 6778
Quercus fusiformis 1449, 5124
Quercus gambelii 3220
Quercus garryana 1200
Quercus glabrescens 4493
Quercus glauca 340, 4288
Quercus griffithii 3727, 3728
Quercus hartwissiana 5339, 5523, 6060
Quercus havardii 3038
Quercus iberica 6066
Quercus ilex 1210, 1482, 1803, 2315, 2905, 2973, 3133, 3134, 3199, 3936, 3972, 4049, 4288, 4354, 5665, 6486, 6718, 6734
Quercus incana 799, 4288, 4416, 4957
Quercus kelloggii 922, 1179, 1200, 1339, 1419, 1622
Quercus laeta 4493
Quercus laevis 799
Quercus laurifolia 847, 1951, 2901
Quercus laurina 4493
Quercus lobata 1179, 1200, 1419
Quercus longipes 5523, 6198
Quercus macrocarpa 236, 1069, 1847, 2976, 3893, 5169, 6300, 6351
Quercus marilandica 799
Quercus microphylla 4493
Quercus mongolica 2437, 6769
Quercus muehlenbergii 1069, 1847
Quercus myrsinaefolia 1813, 2835, 2996, 4421
Quercus nigra 1950, 1951, 2901, 3091, 4741
Quercus nuttallii 1223
Quercus obtusata 4493
Quercus oleoides 3231, 3672
Quercus palustris 898, 1170, 5222, 5772, 6300, 6613
Quercus pedunculiflora 6060
Quercus petraea
autecology 6060
coppice 1657
defoliation 4506
dendroclimatology 4594
direct sowing 3448
diseases, wilts 5060, 5609
distribution 6060
evapotranspiration 6778
foliage, chemistry 5523
forest litter 5567
forest management 2867
ground vegetation 3671
insect pests, *Melolontha* 4506
light 5439
mosses 3671
natural regeneration 5792
plant water relations 6467
seed, pests 4693
silviculture 1657, 3502, 5845
site class assessment 4826
site types 5483
stand characteristics 5483, 5845
tree guards 6325
underplanting with, broadleaves 3502
vegetation types 5791
vegetative propagation, grafting 5339
yield forecasting 6401
Quercus petraea mespilifolia 5339
Quercus phellos 2901
Quercus phillyraeoides 1879
Quercus polycarpa 6594
Quercus prinus 848, 3473, 3556, 4300, 4499, 5444, 5772
Quercus pubescens 2269, 3133, 3134, 4354, 6060, 6612, 6718, 6734
Quercus pyramidalis 5339

Quercus pyrenaica 2315, 2320, 2905, 3936
Quercus resinosa 5058
Quercus robur
air pollution 6629
damage 6492
Arthropoda 2496
autecology 6060
biomass production 6790
birds 4010
chemical constituents of plants 1335
control 119
coppice 1657
decay in trees 1396
defoliation 4506
dendroclimatology 4594
direct sowing 3446
diseases 6629
decay fungi 3891, 6642
decay in trees 5056
dieback 6040
distribution 6060, 6560
drainage 2188
electrical phenomena in trees 339, 5582
fertilizers 695
flooding 3446
foliage, chemistry 5523
forest litter 1747, 5567
forest management 2279, 2867
frost injury 5056
fungi 5022
genetics, variations 6597
ground vegetation 5009
humus 5446
hybrids 5339
increment 179, 1890
insect pests 3116
Andricus 5676
Aphidoidea 3936
Ips 2568
Lymantria 3938
Melolontha 4506
Otiorrhynchus 2546
Tortricidae 3200
Tortrix 6114, 6734
Xyloterus 2549, 2568
leaves, physiology 1335
microclimatology 573
mixtures 2796
mycorrhizas 1380, 5595
natural regeneration 3434, 6315
nurse and auxiliary species 3497
nutrient deficiencies 3400
pigs 2585
plant physiology 339
plant water relations 2188, 4378, 6466, 6467
plantations in
Denmark 4775
Ukrainian SSR 3497, 6517
plantations on, alluvial land 3446
planting 2767
planting stock 2165
provenance trials 6269
respiration 909
roots 322, 909, 6516
salt injury 4378
salt tolerance 2346
sap 2383
seed
germination 3370
pests 3116, 4693, 5676
shelterbelts 6790
silvicultural systems 5978
silviculture 1657, 2089, 4775, 5845
site class assessment 4822
site types 1890
soil biology 4895, 4896, 6463
soil chemistry 2942
soil water 5978
soils 2316, 4349
species trials 669
stand characteristics 179, 4837, 5845
succession 5764
thinning 2209, 2789
tree breeding 5582
underwood 4822
vegetation types 926
vegetative propagation 5339, 6297
virgin forest 5557
volume tables 6384
weed control 2191, 3465
wood anatomy 1396
Quercus rotundifolia 2320, 2904, 2973, 3628, 5665
Quercus rubra
air pollution 3685, 5466, 6629
allelopathy 3023
chemical constituents of plants 1847
control 6346, 6350
coppice 3431
direct sowing 5772
diseases 6629
decay in trees 5056
rust diseases 1930, 4477
wilts 3085
distribution 2801
drought injury 2897
fertilizers 1581, 1650, 1656, 1726, 3407, 5777
foliage, chemistry 5523
forest litter 1997, 5444
frost injury 5056
genetics 6056, 6600
growth regulators 5893
heat injury 2897
increment 6517
leaves 3685
mycorrhizas 1914, 1915
natural regeneration 3431
plant nutrition 1915
plant water relations 2321
plantations in, Ukrainian SSR 6517
plantations on
eroded sites 5895
mining wastelands 5772, 5777
planting stock 3419
pruning 5378
roots 894, 4092
salt tolerance 2346
seed
pests 1421, 4693
storage 4691
silvicultural characters 6517
silvicultural conversion 3473
silvicultural systems 3431
silviculture 2219, 2801
site class assessment 188, 2219, 3556
stem forms 4300
synecology 3027
taxonomy 2801
thinning 5378
transplanting 4092
underplanting 1650
volume tables 145, 4300
weight determination 2263
weight tables 145
Quercus sadleriana 1346
Quercus sapotaefolia 5652
Quercus schippii 3672
Quercus serrata 372, 450, 1678, 2818, 3432, 4884, 5329, 5391, 5392, 5488, 6571
Quercus shumardii 2755
Quercus stellata 794, 799, 4024
Quercus suber 1482, 2315, 2904, 3516, 3972, 4354, 6112, 6113, 6543, 6734
Quercus texcocana 4493
Quercus turbinella 3216
Quercus undulata 3215
Quercus variabilis 923
Quercus velutina 145, 188, 1656, 1847, 3556, 3975, 4300, 5650
Quercus virginiana 799, 1030, 2778, 5124, 5146
Quercus virginiana fusiformis 1030
Quercus wislizenii 1200, 1346
Quillaja saponaria 1195, 1360, 1423, 3668
Quinantia acutifolia 5552
Rabbits 3226, 4538, 4539, 4562, 6753
Racemobambos 6045
Radioactive isotopes 299, 1218, 4971, 5835
books 4606
radioactive fallout 298
Radiocarbon dating 1348
Radiocommunication 604
Radlkoferella 5508
Rain forest (*see* Vegetation types, rain forest)
Rainfall (*see* Precipitation)
Rajasthan
Acacia nilotica 2861
Acacia tortilis 3359
agroforestry 5210
Anogeissus pendula 4812
arid regions 5210
forest borders 2956
Rajasthan *contd.*
insect pests 491
Prosopis cineraria 133, 5210
Salvadora persica 2911
soils 2911
species trials 3359
Ramichloridium pini 5059
Ramphastos swainsonii 1833
Range management (*see* Grazing, management)
Rangifer tarandus 2577, 2578, 3229
Rapanea neriifolia 1558
Rattans (*see* Canes and rattans)
Ravenalia havanensis 5066
Ravenalia lagerheimiana 5066
Reaction wood 3745, 4867, 4956, 4966, 5515, 5521, 5522, 6506, 6527
Redoa anser 5640
Redoa anserella 5640
Redoa phaeocraspeda 5640
Regeneration surveys 825, 4020, 4718, 4720, 4991, 5004
Reindeer 1891
Reinforcement planting (*see* Beating up)
Relascopes 2242, 2290, 2870, 4799, 6426 (*see also* Angle count)
Remote sensing 5427
amenity and recreation areas 1204, 4845
books 6212
classification 4848
computer techniques 827, 828, 1205, 3587, 3589, 5426
conferences 1516, 2663, 3295, 3299, 3601, 4149, 5245
Cryptomeria japonica 4848
damage 1516, 2480, 2880, 3589, 3593, 3596, 3598, 3599, 3600, 4084, 4149, 4328, 4330, 4332, 4845, 4846, 5245, 5953, 6431, 6437
data processing 208, 827, 828, 1718, 3591, 3595, 3598, 5426, 5427, 5428
forest fires 4149
infrared photography 208, 1722, 2299, 2877, 2880, 3590, 3598, 3600, 4328, 4332, 4846, 4854, 5425, 5953
Japan 4848
land use 2298, 5185, 5430, 5787
mapping 208, 827, 1203, 1205, 3589, 4139, 4848, 6213
methodology 1516, 4855, 6435
photography 1205, 1721, 2663, 2878, 4330, 4436, 4747, 4848, 5430, 5787, 5951, 5952, 6436
photointerpretation 206, 1733, 2880, 3587, 4333, 4847, 4853, 6431
pollution 4934
radar 2879, 3592, 3594
reviews 1204
sampling techniques 3602
satellites 207, 828, 1206, 1717, 1718, 1722, 3589, 3591, 3595, 3597, 4331, 4852, 4934, 5429, 5953, 5954, 6432
simulation 1717
soil surveys 4845, 5429
stand parameters 1722, 2878, 3590, 3597, 5951, 6432, 6443
statistical methods 1206
terrain classification 1203, 4139, 5426, 5427, 5428, 5954, 6432, 6434
Texas 4331
vegetation 208, 827, 828, 1203, 1516, 1717, 1721, 1724, 2192, 2877, 2879, 3588, 3590, 3591, 3592, 3594, 3595, 3597, 4149, 4330, 4331, 4436, 4747, 4845, 4847, 4848, 4852, 4853, 4934, 5952, 6434
wildlife 1723, 4536
Repellents 3998
insects 3192
mammals 1991, 6162, 6743
Reproductive behaviour 356, 911, 1775, 1834, 1835, 1836, 1840, 2032, 2402, 2444, 3007, 3774, 4096, 4427, 4428, 5543, 6546, 6573
parthenocarpy 346
reviews 2396
Reptiles 350, 544, 1361, 2579
Research 3336
acid rain 4373
Africa 3340
Australia 6248
Bangladesh 4667
biological control 6147

Research *contd.*
Canada 5235
Developing Countries 4184
Tropics 4164
Reservoirs, plantations 1070
Resin tapping 1670
equipment 1673, 2812
potential yields 759, 1787, 2811, 2813, 3519
reviews 1672
techniques 306, 1669, 1673, 2811, 4289, 4291, 5921
yield 759, 1671, 1672, 2233, 2812, 4290, 5921
Resins 395, 1792, 3041 (*see also* Turpentine)
chemistry 916, 1958, 3042, 3177
measurements 3519
relation to insects 1958, 3177, 6684
relation to physiology 1332
Respiration 231, 435, 436, 909, 1337, 1811, 1812, 1813, 1814, 1819, 2378, 2380, 2381, 2382, 2995, 2996, 3762, 4423, 4424, 5050, 6533, 6535, 6536
Resseliella dizygomyzae 1452
Resseliella skuhravyorum 1033
Reticulitermes 5633, 6100
Reticulitermes chinensis 5633
Reticulitermes flaviceps 5633
Reticulitermes flavipes 3121
Reticulitermes lucifugus 5636
Reticulitermes pseudaculabialis 5633
Reticulitermes virginicus 1943, 3121
Reviews
acid rain 1265, 4373, 4932
agroforestry 5195
air pollution 1253, 1254, 1255, 1278, 2953, 3703, 5478
Armillaria mellea 3890
bamboos 2235, 5389
bark beetles 513
biological control 1971
biomass production 1363
cambium 2386
Castanea mollissima 5388
catchment areas 6781
Ceratocystis ulmi 5610
China 618
Choristoneura fumiferana 3141
cones, development 349
dead trees 4988
decay fungi 3866
decayed wood 4988
dendrochronology 2034
diseases of trees, resistance to 4452
economics 615
edible species 5394
evolution 1860
Ficus 2396, 2397
Finland 1534
fire control 875, 3721
fire effects, on ecology 883
forest ecology 377, 4988
forest litter 3629
forestry, relation to environment 2352
genetics 2444
growth habits 4405
Heterobasidion annosum 5055
hydrology 1475, 5748
insect pests 489, 1971, 6721
insecticides 4529
landscape ecology 5794
legislation 634
Leguminosae 4640
logging, effect on soils 4766
Lymantria dispar 1001, 5641
Metroxylon 5394
mining wastelands 5770
minor forest products 758
mycorrhizas 411, 1386, 3076, 3879, 4635, 5034
nature conservation 3229
nitrogen fixation 432, 439, 3075
nursery management, soils 2168, 2170
nutrient cycles 4914, 6480
operations research 875
palaeoecology 1860
Palmae 1852
pastures 5195
Phytophthora 951
Picea mariana 3499
Pinus oocarpa 749
plant morphology 4405
Reviews *contd.*
plant physiology 4452
remote sensing 1204
reproductive behaviour 2396
resin tapping 1672
root and butt rots 3890
roots 1741, 3878, 6248
Sahel, grazing 3210
seed 3885, 6287
soil physics 1212
spiders 4598
stem flow 6782
succession 1861
thinning 123
throughfall 6782
Thuja plicata 5380
tropical forests 2672
vegetation types 1363
vegetative propagation, tissue culture 3379
waste wood 3548
weed control 1623
wildlife, conservation 4578
wind damage 6314
wood borers 513
Zeiraphera diniana 497
Rhabditidae 3266
Rhabdocline pseudotsugae 469, 1417, 3910, 6669
Rhabdocline weirii oblonga 6669
Rhagoletis pomonella 1420
Rhamnaceae 425
Rhinocerotidae 4006
Rhinocladiella mansonii 1925
Rhizobium 425, 435, 3075, 3878, 5024
Rhizoctonia 6627
Rhizoctonia solani 1391, 1392, 5054
Rhizophagus grandis 4502
Rhizophora 454, 4718
Rhizophora apiculata 4719, 4991, 5116
Rhizophora mangle 3729, 6488
Rhizophora mucronata 4441, 4719
Rhizophora stylosa 4440
Rhizophoraceae 327
Rhizopogon luteolus 6608
Rhizopogon roseolus 412
Rhizopus oryzae 4464
Rhizosphere 235, 446, 6464
Rhododendron 1808
Rhododendron arboreum 4957
Rhododendron ponticum 2470, 5764, 5792
Rhopalicus brevicornis 5115
Rhopalosiphum padi 492
Rhus 4436
Rhus cotinus 1071
Rhus diversiloba 1622
Rhus ovata 1195
Rhus verniciflua 449
Rhyacionia 1052
Rhyacionia buoliana 2520, 2532, 4520, 5298, 5703, 5715
Rhyacionia frustrana 993, 1039, 2520, 5694, 5773
Rhyacionia neomexicana 2520
Rhyacionia rigidana 2520
Rhyacionia simulata 494
Rhyacionia subtropica 2520
Rhyacionia zozana 2520
Rhyssa persuasoria 2550
Ribes 2485
Ribes sanguineum 1339
Ribes viburnifolium 1339
Richardella 5508
Rights of way 1488, 1662, 4088, 4261, 4549, 4590
Ring-barking (*see* Girdling)
Riverbank protection 555, 1472, 2367
Roads
computer techniques 1705, 1707, 4849, 4850, 6425
construction 1138, 6425
development policy 6183
drainage 2887
effect on ecology 371, 3026, 4023, 5174, 5558, 5766, 5767, 5768, 6768
erosion 4038, 4040, 4042, 4556, 4557, 4558, 5171, 5172, 5173, 5174, 5766, 5767, 5768, 6784
layout and planning 742, 1705, 1707, 2887, 4849, 4850, 6359, 6425
maintenance 295
methodology 4040
salting 1279, 1766, 2346, 4355
Roads *contd.*
snow 5172
strip roads 742
Roadside plantations 295, 2261, 2346, 2508, 4083, 5901, 6613
Robinia hispida 3862
Robinia pseudoacacia
Arthropoda 2496
biomass production 3559, 4310
chemical constituents of plants 1335
coppicing 6791
direct sowing 5774
diseases
decay fungi 5039
foliage 5603
fertilizers 5777
foliage 4419
insect pests
Bruchophagus 3117
Elasmopalpus 1427
Phycitidae 3117
Thyridopteryx 6689
leaves, physiology 1335
mining wastelands 3559
natural regeneration 1605
nitrogen fixation 3247
plantations on, mining wastelands 3247, 5774, 5777
salt tolerance 2346
seed 3862
pests 3117
shelterbelts 5039, 6791
silviculture 4275
soil biology 560
soil fertility 560
stem forms 4300
succession 1605, 5006
suckering 6791
synecology 5006
tree breeding 3862
vegetation types 3833
volume tables 4300
Robinia viscosa 3862
Rocky Mountains (USA)
catchment areas 2600
forest management 6221
hydrology 2600
insect pests 5630
tree breeding 6221
Rodents 3227, 4211, 5615, 5740, 6162, 6750
Rogas lymantriae 498
Romania
Ceratocystis fagacearum 5060
wind damage 4345
Root and butt rots
assessment 1926, 6639, 6643
biology 2478, 3080, 5047, 6639
control 3110
damage by 450, 1393, 1921, 1925, 1926, 2473, 2477, 4248, 4340, 5054, 6631, 6645
detection 6437
distribution 3887, 6631
ecology 1395, 1925, 2473, 2474, 2985, 3080, 5054, 6631
effect on growth 1393
effect on physiology 955, 5057
effect on wood 3090
forecasting 1926, 3887
interactions with fungi 2478
maps 6437
resistance to 951, 952, 955, 3083, 5053, 6085, 6496
reviews 3890, 5055
role of wounds 4372, 5221, 6630
simulation 3887
Roots
adventitious roots 2367, 2988, 4351, 5873, 6508, 6793
anatomy 1325, 3751, 6226, 6622
chemistry 1666, 3704, 4087, 4363, 4925
classification 431
competition 5998
damage by 1494, 4090
damage to 3892, 4368, 4375, 5221, 5873, 6514, 6524
deformation 1823, 2985, 4229, 5354, 6365, 6793

Roots *contd.*
development 322, 887, 894, 1318, 1608, 1613, 1741, 2069, 2176, 2760, 2986, 2994, 3410, 3412, 3636, 4087, 4092, 4351, 4403, 5877, 5893, 6471, 6474, 6532
diseases 91, 411, 452, 973, 2472, 2480, 2985, 3889, 3892, 3894, 4470, 5046, 5048, 5050, 5051, 5052, 5604, 5605, 5606, 5892, 6090, 6496, 6636, 6637, 6640, 6641, 6644, 6678
distribution 224, 1797, 2176, 2848, 2975, 3765, 4410, 4878, 5998, 6466, 6467, 6516, 6522, 6523, 6578
grafts 2985
injuries 899, 1231, 1385, 2180
measurements 887, 1195, 1196, 2325, 2367, 2848, 3550, 3751, 3765, 4039, 4403, 4897, 5417
mechanics 3729, 4352, 4561, 5758, 6177, 6514
methodology 426, 430, 887, 905, 3304, 6471, 6474
microflora 235, 5595, 5892, 6464
physiology 905, 909, 1337, 2378, 2760, 2994, 3304, 4912, 5050, 5893, 6455, 6535
pruning 91, 1592, 1594
relation to shoots 100, 1785, 2367, 3550, 5417, 5501, 6226
research 2069
reviews 1741, 3878, 6248
root nodules 235, 426, 428, 430, 431, 435, 436, 1347, 1378, 1379, 1385, 2045, 3070, 3245, 3388, 3766, 3878, 4047, 4462, 5024, 5884, 6619
shedding 1195
simulation 1797
stilt roots 4441
systems 696, 894, 898, 899, 1325, 1797, 2975, 3083, 3550, 3558, 4039, 4403, 4410, 5613, 6177, 6226, 6470
uses 2369
water relations 4897, 4900, 6030, 6471, 6474
Rootwood 3656
Rosa 1622
Rosa acicularis 6573
Rosa bracteata 5727
Rosa eglanteria 5741
Rosaceae 425, 2894
Rot fungi (*see* Decay fungi)
Rotations 147, 201, 1225, 1602, 2277, 2864, 3425, 3575, 4307, 4310, 4313, 4812, 4829, 5946 (*see also* Exploitable age or size; Plantations, effect of rotations)
Rotifera 3640
Rotylenchulus reniformis 973
Rotylenchus robustus 5719
Royalties (*see* Stumpage value and fees)
RSFSR-in-Asia
artificial regeneration 96
birds 4011
browsing damage 6769
deer 6769
Ips sexdentatus 6135
Larix gmelinii 96, 2351
phenology 2368
Pinus pumila 903, 2381
planting season 102
planting stock, balled stock 102
shrubs 2368
trees 2368
vegetation types 2437
virgin forest 6399
RSFSR-in-Europe
Abies sibirica 6536
afforestation 6271
air pollution 4370
amenity forests 576, 577
biological control 1042
botanical gardens 2894
choice of species 6275
climatology 3102
cover crops 2733
Cydia milleniana 1434
dendroclimatology 4162
Dichomeris marginella 3949
erosion control 4037
exotics 1790
fire danger 3719
Fomes fomentarius 5049
forest ecology 1758
RSFSR-in-Europe *contd.*
forest influences on, hydrological factors 4030
forest recreation 576
frost injury 2894
genetics 3858
hydrology 231, 5165
increment, variations 186
Lophodermium pinastri 3102
microclimatology 4446
mining wastelands 4048
mycorrhizas 419
national parks 1090
natural regeneration 2175, 2176, 6320
nature conservation 1090
nitrogen cycle 5983
nutrient cycles 1758
Phellinus igniarius 5049
phenology 2378
photosynthesis 3000
Picea abies 43
Picea × *fennica* 1908
Pinus sylvestris 95, 186, 3445, 6274
plant disorders 345
plantations 747, 2259, 6275
Polyporus betulinus 5049
Populus tremula 6065
provenance trials 43, 5868, 6274
pruning 6363
Quercus 6060
Quercus iberica 6066
runoff 4037
Salix 2367, 4399
shelterbelts 4037, 6787, 6791
shrubs 1790
soil types 95, 1750
stand characteristics 2245, 2849
Tilia cordata 2175
Tomicus piniperda 6128
tree breeding 3859
treelines and timberlines 4941
trees 1790
vegetation 1110
vegetation types 927, 1908, 6065, 6066
vegetative propagation 1580
virgin forest 2245
water pollution 4030
wildlife 577
Zeiraphera diniana 3131
Rubiaceae 327
Rubus 1622, 2786, 4436
Rubus fruticosus 3288
Rubus idaeus 1173, 5371
Rudgea berryi 2424
Rudgea jasminoides 2329
Rumex hastatus 554
Runoff 653, 654, 844, 851, 3239, 4030, 4033, 4036, 4037, 4554, 4556, 4557, 4558, 4560, 4946, 5749, 5750, 5751, 5752, 5753, 5754, 5856, 5975, 6171, 6174, 6779 (*see also* Streams)
Rupicapra rupicapra 2606, 4009
Rural economy 647, 1077, 2015, 2016, 2058, 3249, 4130, 5187, 5188, 5276, 6185, 6240
Russula 942, 6615
Rust diseases 5066
assessment 6668
biology 1404, 1412, 1413, 1930, 1987, 2486, 2489, 2498, 3097, 4476, 4477, 5070, 5622, 6092
books 6203
control 478, 1406, 2484, 2488, 3093, 3914, 4487, 5615, 6673, 6674
damage by 2484, 3913, 5067, 5601
distribution 5068
ecology 3091, 3906, 6662
effect on growth 2487, 3098
effect on physiology 1414
methodology 463, 464, 2485
resistance to 456, 457, 461, 463, 464, 465, 466, 934, 1415, 1820, 2487, 2717, 3087, 3088, 3092, 3099, 3103, 4476, 4481, 4705, 5065, 5072, 5075, 5315, 5622, 6668
role of wounds 3092
simulation 3087
symptoms 1406, 3913
taxonomy 3905, 5069
Rwanda
forestry 2097
research 2097
vegetation types 2098
Ryukyus
soil types 5970, 5972, 5975
vegetation types 5972, 5975
Sabah
afforestation 6241
Eucalyptus deglupta 6283
forest management 645
forest resources 645
forestry 2681
forestry development 645
Gmelina arborea 6284
plantations 719
seed 6279, 6280, 6281, 6282
tending of stands and trees 1177
tree breeding 6279, 6282
Sabal blackburnianum 6570
Sabulodes caberata 3948
Sacchiphantes abietis 2506, 3125, 5095
Sacchiphantes viridis 2506
Saccopettalum tomentosum 5093
Safety 2110, 3341, 4632, 4674, 6251 (*see also* Accident prevention)
books 1108
Sahel
flora 5550
fuel plantations 5293
fuels, resources 5293
grazing, reviews 3210
land use, planning 2642
site types, classification 840
Salicaceae 1180, 5355
Saline water, flooding 5822
Salix 1975
afforestation 6495
agroforestry 2803
air pollution 4399
Arthropoda 2496
biomass production 2700, 2803, 2854, 4137
browse 3218
coppice 2854
diseases
bacterial diseases 474, 5080
rust diseases 5069
viruses 476
distribution 6061
drought resistance 4050
flooding 849
foliage, chemistry 4501
frost injury 6445
fuel plantations 1551, 4137, 6445
hedges 5760
hybrids 405
insect pests
Aphidoidea 3936
Arge 2551
Cecidomyiidae 5679
Cerambycidae 5664
Hymenoptera 5123
Paranthrene 5137
Phyllodecta 4501
Plagiodera 5707
Pristiphora 5123
mites 5680
mycorrhizas 3073
palaeoecology 6558
photosynthesis 2388
plant water relations 2388
plantations on, wetlands 555
pollen 6557, 6558
roots, adventitious roots 2367
salt tolerance 4399
shelterbelts 2803
silviculture 2700
tree breeding, progeny testing 3860, 3863
vegetative propagation, shoot cuttings 4399
wildlife, damage by 1990
Salix acutifolia 2367
Salix alba 380, 1580, 2126, 4310, 4485
Salix alba × ***S. babylonica*** 3860
Salix alba × ***S. matsudana*** 3863
Salix alba × ***S. matsudana tortuosa*** 405
Salix **'Aquatica'** 646
Salix **'Aquatica Gigantea'** 4808
Salix atrocinerea 5764
Salix babylonica 2551
Salix babylonica × ***S. humboldtiana*** 3860
Salix berberifolia 6061
Salix caprea 4501, 4694
Salix cinerea 4501
Salix dasyclados 4399
Salix divaricata 6061

Salix kochiana 6061
Salix koriyanagi 5069
Salix matsudana tortuosa 405, 6035
Salix miyabeana 5069, 6061
Salix nigricans 4501
Salix pentandra 1032
Salix pulchra 4361
Salix purpurea 555, 2379
Salix rigida 6714
Salix rotundifolia 3073
Salix tetrasperma 5334
Salix triandra 380, 2367, 2488
Salix viminalis 380, 1452, 2367, 3115, 4399, 6061
Salmo gairdneri 5743
Salmo trutta 5744
Salt injury 951, 1279, 1766, 2346, 4346, 4378, 4926, 5989, 6491, 6504 (*see also* Air pollution, salt spray)
  bibliographies 5822
Salt tolerance 2118, 2346, 3371, 4355, 4356, 4374, 4399, 4565, 4696, 5010, 5326, 5369, 6295, 6764
  bibliographies 5822
Salvadora persica 2911
Salvage logging 4869, 6394
Salvelinus fontinalis 5742, 5744
Salvia 1874, 1875
Salvia dorrii 2144
Salvia mellifera 1339
Samanea saman 3746
Sambucus nigra 4276, 4277
Sample plot technique 1006, 1159, 2876, 3781, 4321, 4323, 4633, 4813, 6426
Sand dunes (*see* Dunes)
Sanitation fellings 745, 6145, 6394, 6673
Santalum album 753, 1566, 2135, 2371, 2458, 4243, 4486, 6456
Santalum austrocaledonicum 3007
Santalum spicatum 3007
Sap
  properties 4970
  sap ascent 2383
Saperda carcharias 2024, 5664
Saperda inornata 5296
Saperda populnea 5136, 5664
Sapindales 4407, 6570
Sapium insigne 4957
Sapium sebiferum 4216, 4823
Sapotaceae 327, 5505, 5506, 5507, 5508, 5509, 5510, 5511, 5512, 5513, 5514, 6018
Sapwood
  measurements 2987
  methodology 5504
Sarawak
  economics 4651
  forest resources 4651, 4654
  forest surveys 4843, 4844
  forestry 2681, 4651, 4652
  forestry development 4654
  increment 4821
  land use 4654
  liberation fellings 4748, 4749, 4750, 4780, 4821
  natural regeneration 4991
  nursery management 1158
  research 1158, 1159
  shifting cultivation 1073, 4652, 4654
  Shorea 4821
  silviculture 701, 1159, 4781
  thinning 4748, 4749, 4750
  training 4654
  vegetation types 4991
  yield regulation 4828
Sarcobatus vermiculatus 1549
Sarcodes sanguinea 3876
Sarcophagidae 6113
Sarcopoterium spinosum 1296
Sarothamnus scoparius 5764
Sasa 2658, 6155
Sasa kurilensis 533, 785, 1788, 3441, 3564
Sasa senanensis 533, 785, 1788, 3564
Sasa tectorius 369
Sasa tokugawana 6406
Sasa veitchii 2814, 3564
Sasamorpha borealis 3564
Saskatchewan
  diseases of trees 3922
  grazing 534
  insect pests 3922
  Malacosoma disstria 3183, 3957
  soil types 4893
  weed control 534
Sassafras tzumu 5130
Saturnia pavonia 6143
Saudi Arabia
  forestry 5277
  Isoptera 2503
  vegetation types 5277
Saurauia bracteosa 1851
Savanna (*see* Vegetation types, savannas)
Saws
  chain saws 1184, 1665, 3511, 5920, 6367, 6368, 6369
  clearing saws 1626, 1662
Saxegothaea conspicua 4240
Scaling (*see* Measurement of roundwood)
Scandinavia
  acid rain 2951
  forest management 2057
  fuel plantations 6445
  seed, seed orchards 4688, 4689, 4690
  site preparation, mechanical methods 1165
  thinning 734
Scaphium 4712
Scelionidae 2564
Schima 1780
Schima khasiana 3727, 3728
Schima wallichii 1892, 1893, 2869
Schisandra chinensis 2032, 2733
Schisandraceae 5516
Schizolachnus 3126
Schizolachnus pineti 1426
Schizolobium parahybum 2116, 2140
Schizonotus latus 2547
Schizostachyum lima 5389
Schizostachyum lumampao 5389
Schizostachyum zollingeri 4796
Schizotetranychus cercidiphylli 5680
Schizotetranychus schizopus 5680
Sciadopitys verticillata 6644
Scirrhia acicola 1387
Scirrhia pini 970, 1387, 2491, 3100
Sciurus carolinensis 4548, 6215
Sciurus niger 4548
Scleroderris lagerbergii (see *Gremmeniella abietina*)
Sclerotium rolfsii 1927
Scolytidae 513, 1013, 1965, 4109, 5659, 5661, 5688, 6132, 6643, 6719
Scolytus laevis 963, 3966
Scolytus multistriatus 518, 959, 963, 1399, 1437, 1440, 1957, 2566, 2567, 2574, 3170, 3175, 3197, 3966, 4490, 6700
Scolytus pygmaeus 3197
Scolytus quadrispinosus 1957
Scolytus rugulosus 1957
Scolytus scolytus 959, 960, 963, 1399, 2566, 2574, 3170, 3175, 3192, 3197, 3966, 5106
Scolytus ventralis 337
Scotland
  acid rain 5757
  Betula pubescens 3820
  birds 2588
  browsing damage 4547
  chemotaxonomy 939
  climatology 4059
  Coniferae 4193
  cytology 939
  deer 3237, 4547, 5148
  economics 4860, 4861
  Euura amerinae 1032
  exotics 4193
  fire suppression 4392
  foxes 3233
  Gilletteella cooleyi 984
  herbicides 2775
  hunting 5148
  land classification 4059
  landscape 4089
  maps 4059
  natural regeneration 2763
  nature conservation 572, 4076
  Picea sitchensis 2898, 4257, 4897
  Pinus contorta 3046
  ploughing 2772
  private forestry 4860, 4861
  provenance trials 3046
  Siricidae 2550
  soil surveys 4059
  soil types 2772
  synecology 3820
  tree breeding 3839
  vegetation types 5008
Scotland *contd.*
  veteran or remarkable trees 4193
Scrub (*see* Degraded forest and scrub; Vegetation types, scrub)
Scurrula cordifolia 110
Scurrula pulverulenta 3915
Scytalidium uredinicola 1404
Secondary forest 2437, 5634
Seed 3376
  anatomy 348, 2447, 4959
  bibliographies 3374
  chemico-physical properties 1668, 2372, 3753, 3755, 4210, 4288, 4418, 5329, 6277
  collection 61, 677, 1560, 2132, 2230, 2730, 3413, 4212, 4280, 5321, 5323, 5324, 6280, 6281, 6283, 6284
  computer techniques 6292
  conferences 13, 4628, 4691, 4692, 4693, 4694
  damage 4687
  diseases 448, 1323, 1391, 1392, 1922, 3078, 3104, 4464, 4465, 4693, 5040, 5041, 5043, 5044, 5601, 6296, 6658
    reviews 3885
  economics 2139, 3366
  edible species 1667, 1668, 4288
  equipment 4205
  germination 55, 60, 62, 678, 4209, 5331, 5543
    Abies 2136, 4207, 4692, 5870, 6278
    Acacia 3371, 4696, 6295
    Acer 3705
    Agathis 61
    Albizia 3371, 4696
    Alnus 3303, 4695
    Betula 3365, 3705
    Bombacopsis 2372
    Calliandra 5385
    Castanopsis 923
    Celastrus 2733
    Ceratonia 1342
    Chlorophora 3377
    Delonix 5871
    Eucalyptus 4451
    Eysenhardtia 6285
    Fagus 923
    Fraxinus 2727, 3364
    Jacaranda 5871
    Juglans 1565
    Kalmia 63
    Kielmeyera 5328
    Leucaena 5871, 6285, 6295, 6311
    Lonicera 2733
    Menispermum 2733
    Metrosideros 2726
    Myrtus 1342
    Nerium 1342
    Parapiptadenia 5871
    Paulownia 4202, 4374
    Peltophorum 5871
    Picea 1557, 2136, 3367, 3370, 4686, 4692, 5040, 5326, 5870
    Pinus 57, 375, 2133, 2384, 2385, 2732, 2747, 2960, 3367, 3370, 3705, 4204, 4207, 4422, 4686, 4930, 5321, 5322
    Piper 2402
    Podocarpus 3377
    Populus 4039
    Prosopis 4685
    Pterogine 5871
    Quercus 923, 1563, 3370
    Robinia 3862
    Santalum 2135
    Schizolobium 2140
    Shorea 56
    Simmondsia 1564
    Tectona 3375, 6313
    Tipuana 5871
    Triplaris 910
    Tsuga 4692
    Ziziphus 538
  growth regulators 1557
  handling 2730, 6280, 6281, 6283, 6284
  machines 4212, 4280
  measurements 1560
  methodology 1151, 1152, 4209, 5332, 6288
  morphology 910, 1564, 2372, 4959
  periodicity 59, 2230

Seed *contd.*
pests 512, 542, 1033, 1323, 1421, 1561, 2398, 2498, 2499, 3116, 3432, 3433, 3994, 4208, 4211, 4505, 4687, 4693, 5146, 5669, 5676, 6704
physiology 396, 1560, 2384, 2385, 2402, 6591
processing 2134, 4205, 4212, 4280, 6280, 6296
production 13, 51, 53, 59, 351, 353, 675, 1558, 2138, 2139, 2230, 2398, 2446, 2453, 3365, 3432, 3433, 4208, 5322, 5325, 5543, 5585, 5869, 6540
products 2229
protection 4464
quality 675, 1151, 1152, 2136, 3365, 3404, 4209, 5322, 5327, 5332, 6290
reviews 6287
seed certification 2731, 3373, 6280, 6290
seed dispersal 327, 1831, 1832, 1833, 1871, 2194, 2399, 2400, 2447, 2583
seed orchards 2120, 2132, 2138, 2139, 2444, 2453, 2519, 4689, 4690, 6291
Abies 5869
Alnus 5297, 6664
Cryptomeria 6078
Eucalyptus 3104
Larix 5869
Picea 45, 674, 2445, 2498, 3841, 4688
Pinus 52, 58, 716, 934, 1562, 1904, 2137, 2141, 2487, 2728, 3366, 4481, 4688, 4697, 4699, 5322, 5323, 5349, 5574, 6588, 6725
Pistacia 3368
seed population of soils 1757, 3782, 3783, 3784, 4568, 5555
seed sources 2120, 2136, 2731, 3372, 3374, 5330, 6279, 6282, 6294
seed trees 6286
simulation 2139, 2194
statistical methods 1871, 5040
storage 55, 56, 61, 63, 1557, 1559, 1563, 2133, 2372, 2732, 3364, 3413, 4207, 4628, 4691, 4692, 4693, 4694, 5326, 6277, 6278, 6280, 6281, 6283, 6284, 6292, 6294
treatments 542, 676, 1559, 1922, 2135, 2140, 2184, 2384, 2385, 2721, 2729, 2732, 2733, 3303, 3364, 3367, 3371, 3375, 3378, 3413, 4204, 4205, 4685, 5321, 6278, 6295
uses 4288 (*see also* Nuts)
variations 54, 2446, 3862, 5581, 6591
weight 3404, 4206, 6591
Seed years (*see* Seed, periodicity)
Seedlings
anatomy 4959
chemistry 4969, 4974
culture techniques 241, 6475
damage 2747, 2958, 2960, 4374, 4903, 5089, 5317, 5471, 5473
diseases 949, 1323, 3078, 3079, 5036, 5037, 5043, 5075, 5604, 6626
effect of competition 4987, 5553
growth 923, 1593, 2069, 2747, 2892, 3004, 3005, 3404, 3437, 3615, 3657, 4422, 4695, 4712, 4723, 4794, 4795, 4811, 4818, 4909, 4930, 4974, 5299, 5317, 5439, 5459, 5553, 6537
light relations 1336, 1815, 1816, 1826, 2892, 4422, 4723, 5439, 6033, 6311, 6537
morphology 333, 2372, 4959, 6587
physiology 1815, 1821, 3657, 4712, 4903, 4909, 5353, 5535, 5890
research 2069
simulation 4811
thermal relations of plants 1826, 6537
Seiridium cardinale 1405, 1408, 3089, 3095, 3901, 5603, 5616, 6657, 6658, 6665, 6666
Seiridium cupressi 6657
Seiridium unicorne 3089, 6657
Selection (*see* Silvicultural systems, selection)
Selection forest 4236, 4237, 4238, 4301
Selenarctos thibetanus japonicus 4534
Selepa celtis 3997
Semanotus japonicus 1959, 5674
Semecarpus parvifolia 5556
Senegal, *Acacia albida* 4570
Septobasidum 449
Septoria musiva 472
Septoria pulcherrima 5619
Sequoia sempervirens 1294, 1578, 1579, 2841, 2987, 4242, 4244, 4702
Sequoiadendron giganteum 897, 1367, 2145, 3850, 4115, 4116, 4229, 5324, 6073
books 4115, 4116
Sesbania grandiflora 2705
Sesbania speciosa 1189
Sesia apiformis 3268
Sesiidae 511
Sex 3060
physiology 904
reproductive organs 913, 2394
Sextius virescens 5628
Shaanxi
fungus diseases 1505
insect pests 1505
parasites of insect pests 2564
Shade trees 898, 1493, 4000, 4383, 4384
for crops 5390, 5871
Shandong, diseases of trees 3096
Sheep 1053, 1976, 3215, 3229, 3233, 5156, 5179, 6757
Shelterbelts 1539, 2008, 2009, 3263, 4081, 4384, 4565, 5223, 5487 (*see also* Wind, effect of shelterbelts)
biomass production 2701, 2803, 6790
damage 4562, 5039
economics 6789
effect on crops 3243, 3244, 4037, 4046, 4564, 6180, 6181, 6182, 6230, 6786, 6787, 6788, 6789
growth 5177, 5761
injuries 2311, 3105
planning 2007, 4043, 4045, 4562, 6179
silviculture 1071, 1140, 3089, 4043, 5177, 6179, 6790, 6791
Shelterwood system (*see* Silvicultural systems, shelterwood)
Shepherdia argentea 444
Shifting cultivation 594, 1073, 1100, 2611, 3253, 3289, 3435, 4057, 4063, 4064, 4652, 4654, 5179, 5180, 6063, 6563, 6564, 6565 (*see also* Agroforestry)
Shiia (see *Castanopsis*)
Shikoku
biomass production 5937
Cryptomeria japonica 4194, 4195, 4196
deforestation 4571
flood control 6173
land use 4571
landslides 4341, 4342
Lentinus edodes 4298
Lymantria dispar 3950
natural regeneration 5898
nature conservation 4571
Pinus elliottii 5861
Pinus taeda 5861
protection forest 6173
selection forest 4236, 4237, 4238
synecology 5906
tree breeding 4447
vegetation types 4571
voles 5739
weed control 5906
wind damage 4341, 4342
Shirahoshizo 1960
Shirahoshizo insidiosus 510
Shirahoshizo pini 510
Shirahoshizo rufescens 510
Shoots 2979, 4975, 6097
development 315, 316, 325, 332, 338, 839, 892, 893, 913, 2389, 2992, 3730, 4396, 4411, 4916, 6022, 6518
Shorea 171, 781, 825, 4821
Shorea acuminata 171
Shorea agsaboensis 1329
Shorea assamica 5890
Shorea curtisii 838, 4717, 5003, 5004, 5890
Shorea hypochra 5890
Shorea johorensis 1177
Shorea leprosula 942, 1177, 5890
Shorea macroptera 171, 4821
Shorea negrosensis 1329
Shorea ovalis 171, 4701, 5890
Shorea parvifolia 171, 4821
Shorea polysperma 1329
Shorea robusta 56, 1892, 1893, 2230, 2277, 2313, 2545, 2706, 2869, 2903, 2909, 2966, 4957, 5093, 6523
Shorea roxburghii 56, 3078, 5890, 6033
Shorea singkawang 5890
Shorea squamata 1329
Shrews 1469
Shrubs 231, 555, 1325, 2239, 2366, 2368, 2733, 3877, 4208, 4563, 5546, 5547, 5760, 6334, 6520
Siberia
biological control 5138
biomass production 180
Blastophagus 5115
bogs 3813
Bupalus piniarius 5099
Cerambycidae 5666
chemical constituents of plants 4415
climate 887
defoliation 6124
dendroclimatology 4104
Dendroctonus micans 5113
Dendrolimus sibirica 5099, 5138
drainage 6022
exotics 2032, 6264
forest recreation 4586
fruit 6374
Gilpinia coreana 3924
insect pests 4967, 5090
Larix gmelinii 105, 6323
Larix sibirica 6026
Lymantria dispar 5099
Monochamus urussovi 5111, 5112
Orgyia antiqua 5099
Pamphilius vafer 3269
Phellinus pini 6632
phenology 907
Pinus 5115
Pinus sibirica 3678
Pinus sylvestris 6022, 6323, 6413
plantations 105
Pristiphora 5123
protection forest 2592
provenance trials 5867
rust diseases 1406
shelterbelts 4046
soil types 5447
Sichuan, Isoptera 5633
Sicily, Cerambycidae 1954
Sideroxylon inerme 1362
Sierra Leone, agroforestry 4631
Sikkim, flora 4984
Silkworms 901
Silvanus bidentatus 362
Silvicultural characters 323, 324, 751, 753, 888, 1106, 3793, 6520
Silvicultural conversion 3426, 3473, 5358, 6398 (*see also* Coppice, conversion)
Silvicultural systems 5357
clear felling 3427, 3431, 3437, 3444, 4343, 6319 (*see also* Clear felling)
clear strip felling 545, 2595, 2976, 6315, 6322
effect on pests 1049
effect on soils 2632
group fellings 545, 4232, 4233, 4234, 4235
history 98
relation to ecology 545, 707, 708, 709, 710, 714, 2632, 4992
relation to hydrology 4034, 5978
relation to wind 126, 4343, 6314
selection 702, 745, 2835, 3427, 3543, 4232, 4233, 4234, 4235, 4236, 4237, 4238, 4301, 4829, 5413, 6317
selective felling 701, 825, 1176, 2950, 4992, 6317
shelterwood 2950, 3428, 3431, 3437, 3444, 4231, 4768, 5978, 6315, 6319
Silviculture 700, 704, 705, 822, 3300, 3443, 3458 (*see also* particular operation concerned, e.g. Cleaning ; Improvement fellings ; Planting ; Thinning)
Abies balsamea 3152
Acacia melanoxylon 3459
Acer saccharum 702
Agathis 1654
Araucaria cunninghamii 4769
Betula 4599
books 1504, 4123, 4126
Buchanania lanzan 3507
Cedrela microcarpa 3457
Cedrela odorata 3457
Chamaecyparis obtusa 4767
Chukrasia tabularis 3457
Colombia 2117
conferences 649, 656, 657, 4143, 5356, 5830

Silviculture *contd.*
Cryptomeria japonica 4767, 4867
Diospyros melanoxylon 2234
Dipterocarpaceae 4118, 4780, 4781
economics 831, 836, 837, 1727, 2709, 4334, 4714, 5434
Eucalyptus 2217, 4773, 4774
Eucalyptus camaldulensis 5916
Eucalyptus grandis 4777, 5485
Fagus sylvatica 1319, 4776
Gmelina arborea 3457
Gonystylus bancanus 1182
history 703, 2080, 5275
intensive silviculture 1616, 1727, 2217, 2805, 3324, 3424, 3504, 3725, 4190, 4315, 4724, 5485
Juglans regia 2225, 3506
Khaya nyasica 3457
Larix decidua 1643
Melaleuca quinquenervia 2365
methodology 1159
Nothofagus fusca 1181
Nothofagus menziesii 1181
Picea 3152
Picea abies 2213
Picea sitchensis 4771
Pinus 2799
Pinus caribaea 4769
Pinus elliottii 4769
Pinus nigra 4272
Pinus radiata 750, 4271, 4726
Populus 599, 2222, 2224, 2646, 2804, 2805, 4278, 5826, 5832
Populus × *canadensis* aggr. 2220
Populus 'I-214' 4334
Prunus avium 4134
Pseudotsuga menziesii 2216
Quercus 1179, 2064
Quercus petraea 1657, 3502
Quercus robur 1657, 4775
Quercus rubra 2219, 2801
relation to ecology 706, 1643, 3324, 3329, 4132, 5154
research 642, 643, 1159
Salix 2700
simulation 2072
Simarouba glauca 4778, 5784
Simmondsia chinensis 1564, 4137
Simulation 19, 487
agroforestry 5186, 5205
air pollution 1266, 1267, 1269, 1270, 4934
Betula pendula 4402
biological control 6148
biomass production 1716, 4312
birds 4022, 6158
catchment areas 4605, 6170
Choristoneura fumiferana 502, 1518, 6117
competition 3788, 5409
conferences 5250
Cronartium fusiforme, resistance to 3087
crown 2251, 4402
Dendroctonus frontalis 1014
economics 4335, 4862, 6440
finance 4862
financial yield 211
fire control 1283, 6512
forest influences on, fauna 6158
forest inventories 824, 1716, 2870, 4322, 4836
forest litter 3624, 3631
forest management 607, 821, 1708, 2864, 4157, 4158, 4335, 4830, 5837, 6440
forest policy 6239
grazing 4006
hydrology 4554, 5250, 6170
increment 1518, 2260, 3306, 4811, 4813, 5259, 5260, 5411, 5418, 5837, 5932, 5942, 5943, 6235, 6403, 6407, 6414, 6440
insect pests 6114
insecticide application 3201
land use 1483, 4605
light 3607
mapping 4851
nursery management, economics 2071
nutrient cycles 1266, 5250
Picea mariana 1518
Pinus radiata 4726
plant water relations 3648
planting stock, economics 2071
Pseudotsuga menziesii 4161
Simulation *contd.*
pulpwood production 1518
remote sensing 1717
root and butt rots 3887
roots 1797
rotations 2864
rust diseases, resistance to 3087
seed
seed dispersal 2194
seed orchards 2139
seedlings, growth 4811
silviculture 2072
stand characteristics 3607, 4827, 5409, 6414
stem forms 6381
stumpage value and fees 5955
succession 3022
thinning 2864, 3308, 4268, 4765, 5942
vegetation, history 2703
vegetation types 3788
volume determination 6440
wildlife 4006
yield forecasting 806, 810, 1716, 3566, 4710, 4827, 5411, 5418, 5939, 5942, 5943, 5946, 6422
yield regulation 1725, 4828, 5946
Simuliidae 4671
Sinoxylon 1940
Sirex cyaneus 2550, 5677
Sirex noctilio 1972
Sitanion hystrix 3209
Site class assessment 651, 652, 919, 1079, 4848, 5483
bibliographies 6218
by climatic factors 140, 3557
by growth 188, 189, 611, 787, 792, 795, 796, 809, 815, 1704, 2219, 2259, 2264, 2268, 2852, 2888, 3451, 3556, 3557, 3561, 3565, 3817, 4809, 4814, 4822, 5415, 6408
by soil properties 140, 1156, 1472, 2270, 3634, 4814, 4826, 4894, 4910, 6218
by topography 3557, 3561, 4347
by vegetation 3634, 6398
computer techniques 611
economics 2304
statistical methods 188, 189, 2852, 3557
Site preparation 437, 720, 1136, 1166, 1646, 2185, 2187, 3461, 4253, 4736, 5363, 5776, 6326, 6785 (*see also* Direct sowing, site preparation; Stump removal)
burning 96, 1774, 3784, 4946, 6554
chemical treatment 1175, 2186, 3474, 3477, 4738, 4740, 4742, 6333
economics 1618, 2186, 6328
machines 108, 131, 2808
mechanical methods 94, 96, 107, 108, 747, 1165, 1584, 1609, 1615, 1618, 1619, 1620, 1621, 1663, 1742, 1829, 2183, 2184, 2186, 2771, 3368, 3693, 4254, 4282, 4643, 4732, 4738, 5362, 5384, 5895, 5902, 6328, 6334, 6335, 6336, 6365
statistical methods 1525
work studies 108
Site types 3404, 3550, 5483
Belgium 5271
classification 374, 828, 840, 919, 926, 1079, 1740, 3028
mapping 2297, 3603, 5423, 5424
methodology 1890
surveying 1714, 4720, 4989, 5004, 6434
Sitta europaea amurensis 4011
Slash 311, 798, 1646, 1715, 2183, 2302, 3548, 4333, 4879, 5396, 5422, 6335 (*see also* Pruning, slash)
Slash Master rake 2771
Slopes 3036, 3561, 3614, 4347, 5387, 5758
Smallwood 4303, 5403
Smilax 4788
Smilax macrocarpa 4788
Smilax perfoliata 4788
Snow 2309, 2339
distribution 4043, 4855
effect on hydrology 2595, 2600, 4034
thawing 4034
Snow damage 655, 967, 1737, 1738, 1739, 2895, 2896, 3611, 4340, 4344, 4867, 5674, 5962, 6318, 6330, 6449, 6450
Societies 2113, 4643
books 3277
Soil amendments 720, 4048, 4220, 5778, 5881
Soil atmosphere 1741, 2665, 6473
Soil biology 4586, 6465
bacteria 429, 1586, 6462, 6463, 6640
fauna 1215, 1758, 3640, 4507, 4508, 4895, 5093, 5885 (*see also* Nematodes; Oligochaeta)
flora 442, 695
fungi 941, 3637, 4896, 5885, 6463, 6464, 6640 (*see also* Mycorrhizas)
inhibitors 244, 5625, 6637
microorganisms 5885, 5969
respiration 560, 1071, 1757, 3638, 3661, 5451, 5881
Soil chemistry 275, 1168, 2313, 2950, 3391, 3617, 4349
Al 2927
analysis 2070, 4220
C 223, 1156, 2942, 3626, 3627, 5093
Ca 242, 2927, 4220, 4350, 4363, 4893, 5093, 5966, 5985, 6457, 6671
Cd 2158, 2913, 6500
clay minerals 2596, 2903
Cu 5985
F 279
Fe 4893
fire effects 1757
gases 2665, 3615, 4892, 5881
heavy metals 276, 1263, 1264, 4370, 5462, 5472, 6499, 6671
ion exchange capacity 1884, 3621, 3715, 6565
K 2902, 4100, 4220, 4350, 4363, 4709, 5093, 6457
leaching 242, 2607, 3620, 3621, 3673, 4911, 5467, 5985, 6457, 6490
methodology 1211, 2665
Mg 2927, 4220, 4350, 4363, 5985, 6457
minor elements 4881
Mn 5985
N 1591
Na 2607, 3715, 4100, 4348, 4350, 4363, 5093
nitrogen 223, 438, 1156, 2753, 2754, 2902, 2934, 2942, 3247, 3620, 3626, 3673, 3713, 4100, 4359, 4363, 4709, 5032, 5093, 5966, 6456, 6457
nutrient contents 239, 240, 432, 1650, 1757, 2904, 2909, 2910, 2911, 2912, 2914, 2942, 3655, 3660, 3802, 4054, 4709, 4817, 4876, 4909, 5032, 5456, 5976, 5982, 6324, 6564, 6565, 2966,
nutrient cycles 223, 242, 1071, 1263, 2934, 3628, 3629, 3660, 3670, 3673, 4359, 4363, 5976, 6457, 6476, 6487
nutrient deficiencies 850, 2779, 3655, 4254, 4709, 4893, 4981, 5598
nutrient removal by plants 1225, 1478, 2596, 2754
organic compounds 699, 2170, 2902, 2911, 2918, 3628, 3636, 3713, 4350, 4893, 5189, 5442, 5447, 6564, 6565
oxidation-reduction potential 3615, 4892
P 1478, 2902, 2947, 3680, 3753, 4220, 4350, 4363, 4709, 5093, 6457
Pb 5985
pH 432, 845, 2910, 2914, 2923, 2925, 2926, 2947, 3713, 3715, 4220, 4256, 4350, 4368, 5093, 5598, 5985, 6484
S 2347, 2902, 2934, 5456, 6490
salinization 4256
volatile compounds 290
Zn 2913, 4054, 5985, 6500
Soil conservation 553, 1064, 1445, 1472, 2394, 2597, 2604, 2680, 3289, 4039, 4055, 4058, 4110, 4111, 4119, 4179, 4556, 4557, 4558, 4561, 5162, 5170, 5208, 5781, 5789
bibliographies 595
books 2628
Soil cultivation 322, 716, 1223, 1615, 2180, 3465, 4282 (*see also* Ploughing)
Soil erosion (*see* Erosion)
Soil fertility 569, 699, 856, 926, 1071, 1214, 1685, 1751, 2168, 2906, 2922, 2923, 2924, 2925, 2926, 2928, 2962, 2966, 3068, 3616, 3626, 3627, 3632, 3635, 3636, 3672, 3679, 4041, 4064, 4256, 4394, 4876, 5247, 5724, 5966, 6795, 6803
effect of cultivation 437, 2607, 5178
effect of logging 243

Soil formation 221, 223, 858, 2320, 2596, 2903, 2918, 4349, 4889, 5447, 5775, 5965
Soil physics 114, 2313, 2592, 2611, 2772, 2950, 4878
compaction 294, 539, 1741, 1742, 2317, 2336, 2790, 2902, 3615, 3686, 4078, 4100, 4351, 4375, 4379, 4586, 4587, 6336
density 1211, 6452, 6564
effect of fires 4879
methodology 842, 3619, 6454
porosity 2336, 2902, 3617, 6564
reviews 1212
structure 843, 4352, 4561
temperature 432, 842, 874, 887, 1615, 2378, 3618, 4098, 4357, 5996, 6435
texture 5296, 6454
wettability 1212, 4879
Soil pollution 2347, 4925, 4928, 4929, 4930, 5462, 5467, 5471, 6488, 6497, 6793
Soil sterilants 449
Soil surveys 4059, 5429, 5973
Soil toxicity 283, 1274, 1278, 1385, 2927, 3069, 3370, 4355, 4356, 4926, 5033, 5331, 5471, 5472, 5473, 5770, 5822, 6491
Soil types 4350, 4363
acid soils 3579, 4354, 4925
alkaline soils 2607, 3616, 3715, 4348
alluvial soils 130
bog soils 109, 1155
calcareous soils 1222, 2944, 3677, 4893, 4925, 6484
cambisols 2920, 2921, 4349, 4354, 4894, 5595, 5971, 5975, 5976, 6487, 6559
clay soils 1223, 4880, 4901, 4902, 6366
ferralsols 130, 1685, 3620, 3827
fluvisols 3628
German Federal Republic 4877
glacial soils 2913, 4999
gleys 1223, 2920, 5965
grassland soils 2918
gravelly soils 1685
grey forest soils 5449
heathland soils 2772, 3401, 6472
hydromorphic soils 6472
Israel 5864, 5916
lateritic ferralsols 3083
loess soils 1883
Louisiana 3680
luvisols 130, 2919, 4948, 5446, 5595, 5975
mangrove soils 4441
mountain soils 2654, 2919
Mozambique 3647
Ohio 6572
peat soils 109, 845, 1582, 2772, 5916, 6452
podzols 82, 1750, 2772, 3620, 4220, 4891, 4905, 5965, 6472, 6637
podzoluvisols 82, 5975, 5976
Poland 3617
prairie soils 4893
pseudogleys 82, 224, 2126, 4892
red soils 2270, 6637
rendzinas 2270
Ryukyus 5970, 5972
saline soils 3616, 5822
sandy soils 845, 926, 1685, 3827, 3833, 4220, 5965, 6366
Saskatchewan 4893
Siberia 5447
solonetz 6271
South Africa 3647
South East Brazil 2918
steppes 1071
subtropical soils 2918
Suriname 3579
Tamil Nadu 6456
tropical soils 569, 5451, 6618
USSR 2906
volcanic soils 2596, 2988, 3615
Zimbabwe 4348
Soil water 2772, 3391, 4350, 4587, 5455, 5613, 6490 (*see also* Groundwater)
conservation 1884, 3517
effect of ground cover 539, 1071, 1896, 2902, 2907, 2908, 4357, 4385, 6171, 6468, 6761
effect on growth 794, 2009, 3617, 3636, 4031, 4794, 4897, 4898, 4899, 4909, 5296, 6471, 6472, 6473
freezing 2595
Soil water *contd.*
infiltration 230, 539, 844, 2902, 2907, 2908, 4033, 4385
measurements 844, 2322, 3644, 5452, 5975, 5978
methodology 605, 2068, 6435
movement 844
relation to physiology 234, 432, 3645, 4900
soil water balance 3647, 4357, 5964, 6572
soil water depletion 2322, 2930, 3650, 4901, 4902, 6452
soil water movement 4880, 5976
soil water potential 4900, 6467, 6471
storage 3617
water balance 224, 6778
Soils 4587
books 3271
catenas 2905, 3647
degradation 2950, 3620, 4111, 5178
methodology 1213
relation to land use 2315, 2316, 2906, 2907, 2908, 4877, 5196, 5965
relation to succession 1347, 1756, 2313, 2314, 2903, 2922, 4876, 5178
variations 223, 2430
Solanum quitoense 5499
Solar radiation 303, 1209, 1219, 1364, 3827, 4234, 4357, 4382, 4383, 4384, 6443, 6509
Solenocarpus 3009
Solenopsis 3180
Solomon Islands
bamboos 6045
Belliolum 2991
insect pests 2500, 5661
weed control 4258, 4259
wood borers 2500
Somalia
Acacia 4004
fodder 4004
Sonneratia alba 1858, 3747, 4441
Sonneratia caseolaris 3747
Sonsaucoccus sinensis 1946
Sonsaucoccus yunnansonsaus 1946
Sophora japonica 2724
Sophora moorcroftiana 1754
Sophora secundiflora 1920
Sorbus 5797
Sorbus americana 3698, 3993
Sorbus aria 2606
Sorbus aucuparia 2346, 2606, 4547, 5098, 5568, 5764
Sorbus torminalis 2929, 5454, 5845
Sorex cinereus 1469
South Africa
Acacia melanoxylon 3459
afforestation 1486
Arthropoda 2496
biomass production 1363, 2256, 5936, 6420
Cedrela 3456
choice of species 3456, 4191
Chukrasia tabularis 3456
computer techniques 5406
diseases of trees 6636
economics 4307
Eucalyptus grandis 3408, 3570, 4307
fertilizers 4225
fire effects 3723, 4390
flora 1113
forest administration 3347
forest management 3578
fuels, resources 3347, 6252
Gmelina arborea 3456
grazing 4006
Hakea 3466
increment, equations 5935
insect pests 1940
Khaya nyasica 3456
national parks 4006
nature conservation 3024, 3827, 6195
nutrient cycles 3673
Pinus patula 2888
Pinus radiata 4271, 5935, 5936
plantations 3422, 3460
provenance trials 4198, 5863
rotations 4307
silviculture 3457, 3459
site class assessment 2888, 3451
soil types 1362, 3647
trees 1113
South Africa *contd.*
vegetation 2433, 3024
vegetation types 1362, 1363, 2255, 3035, 3624, 3631, 3647, 3648, 3723, 3765, 3788, 3827, 4390, 4531, 6420
Virgilia divaricata 5863
Virgilia oroboides 4191, 5863
weed control 3466, 3467, 6195, 6765
South America
Cybianthus 5549
evapotranspiration 1216
fire effects 883
Isoptera 5092
nitrogen cycle 3663
Parkia 915
synecology 3787
vegetation, history 1349
vegetation types 1216, 3663, 3826, 4127
Vochysia 2425
wood anatomy 3732, 3733
South Australia
phenology 4916
plantations 4731
rabbits 4539
vegetation types 1325, 1361
yield forecasting 3571
South Brazil
Acacia mearnsii 809
Araucaria angustifolia 5915
biomass production 3544
controlled burning 2355
Hypsipyla grandella 3941
insect pests 3135
plant nutrition 3544
site class assessment 809
South Carolina
camping 4587
controlled burning 4946
Cronartium fusiforme 1404
drought injury 2901
flora 4432
forest policy 4175
forest resources 4179
hybrids 2717
improvement fellings 4267
land reclamation 556, 4569
legislation 4175
Pinus clausa 664
Pinus taeda 4311
private forestry 4179, 4180, 4181
provenance trials 4203
salt injury 4346
soil types 4350
soils 4587
species trials 664
squirrels 4548
water composition and quality 4946
South Central States (USA)
Pinus taeda 6395, 6409, 6423
provenance trials 3088
stand characteristics, quality 6409
volume determination 2828
volume tables 6385, 6395
weight tables 6378, 6404
yield tables 6423, 6424
South Dakota
fire danger 5422
grazing 6762
vegetation types 6762
South East Asia
Dioryctria 1052
Dipterocarpaceae 364
energy resources 4189
flora 364
forest administration 5278
forest management 135
forest resources 614
insect pests, control 3184
minor forest products 758
Rhyacionia 1052
South East Brazil
catchment areas 4029
deforestation 4145
Eucalyptus grandis 2182
fertilizers 2157, 5883
forest inventories 2291, 2292, 2293, 2294, 2295
forest litter 2327, 2329, 3658
forestry 5853
fungus diseases 2461
insect pests 2531
nutrient cycles 2327, 2328, 2329
plantations 2104

South East Brazil *contd.*
provenance trials 2129
soil types 2918
species trials 2129
thinning 2274
tree breeding 2461
yield tables 2274, 2275
South Eastern States (USA)
cleaning 4743
Cronartium fusiforme 4481
Dioryctria disclusa 2513
fertilizers 1156
flora 3014
forest inventories 4327
forest management 822, 836
forest resources 28
hydrology 5756
increment 801
Lindera benzoin 6052
Lindera melissifolia 6052
Lindera subcoriacea 6052
natural regeneration 706
nutrient cycles 245
research 642
resin tapping 3519
silviculture 706, 707, 708, 822, 836
site types 1740
stand characteristics 707, 708, 801
tree breeding 4481
yield forecasting 810
yield regulation 801, 814
yield tables 5944
South Western States (USA)
fire danger 1286
fire effects 1293
maps 2296, 3034
Pinus ponderosa 1286
vegetation, history 2703
vegetation types 1293, 2296
Southern Africa
biomass production 3558
silviculture 3300
synecology 3825
vegetation types 3647, 3825, 3826
Southern India
Amoora 1845
Eugenia discifera 3776
precipitation 3609
taxonomy 3777
Southern States (USA)
artificial regeneration 5363
biomass production 1540
controlled burning 4141
Dendroctonus frontalis 1105
Diprion similis 1029
fertilizer application 5349
forest management 207, 6436
forest resources 1540
Lindera benzoin 6052
Lindera melissifolia 6052
Lindera subcoriacea 6052
Pinus 5349
Pinus elliottii 1198
Pinus palustris 4809
Pinus taeda 190, 3055
private forestry 2690
provenance trials 3055
remote sensing 207, 6436
silviculture, economics 831
site class assessment 4809
site types 1740
taxation 2689, 2690
timber trade 2689
tree breeding 1198
urban and suburban forestry 592
vegetation types 1540
volume determination 190
wildlife 4132, 4141, 6772
Spacing 104, 2132, 2180, 5913
economics 2883
effect on growth 182, 752, 812, 1644, 2247, 2259, 2800, 2859, 3449, 3454, 3490, 3493, 3501, 3505, 3567, 4247, 4249, 4250, 4273, 4715, 4728, 4729, 4744, 4779, 5309, 5900
effect on physical properties of wood 1616
relation to snow damage 3454, 6330
relation to wind damage 4869, 6330
Spain
Abies pinsapo 2912
air pollution 6498
Aphidoidea 3126, 3936
Spain *contd.*
bark beetles 6127
biological control 2515, 3114
climatology 4995
contour ridging 5902
Cynipidae 3972
diseases of trees 3114
economics 3199
erosion 4394
fire control 2357
fire effects 1296, 2363
flora 3008
fungus diseases 453, 2472
Haematoloma dorsata 3127
history 4995
insect pests 2491, 2548, 3114
keys 3008
Phoracantha semipunctata 6701
Pinus radiata 4271
site preparation 5902
soil chemistry 2942, 3628
soil formation 2320
soil types 2920, 2921
soils 2314, 2315, 2904, 2905, 4349, 4354
succession 2314
Thaumetopoea pityocampa 2515, 3204
Tortrix viridana 3199
vegetation types 1296
wood borers 5665
Sparassis crispa 1395
Sparganothis acerivorana 3945
Spathius pallidus 3986
Species trials 4676, 4677, 5770
Bulgaria 2714, 5307
Czechoslovakia 5817, 5818
Eucalyptus 4774
Florida 3358
France 1150, 5306, 5312
Georgia 664, 670
German Federal Republic 2126, 2212
Hokkaido 5862
Israel 2125, 5866
Kenya 4192
Kyushu 5320
Madhya Pradesh 4202
Malawi 3458
Malaya 130
methodology 1158, 2725
Mexico 4681
Missouri 669
New Zealand 2719, 3089
Newfoundland 3355
Pakistan 672, 4199, 4573
Rajasthan 3359
Salix 555
Sarawak 1158
South Carolina 664
South East Brazil 2129
statistical methods 1689, 2724
Tamil Nadu 4200
Texas 6270
Ukrainian SSR 671, 5338, 5339
USA 3357
USSR 2724, 2725
Uttar Pradesh 4250
Sphaerostilbe repens 5029
Spiders 2505, 2522, 3222, 5692, 6736
reviews 4598
Spilochalcis albifrons 3182
Spirea beauverdiana 6573
Spirostachys africana 3443
Spondias 3009, 3010
Spondias mombin 4681, 5499
Spraying equipment 118, 1626, 1662, 3393, 3510
Squirrels 547, 4007, 4116, 4548, 5615, 6215
Sri Lanka
afforestation 1471
Carallia 1844
choice of species 1471
Dysoxylum 1843
flora 6208
forest management 4110
Isoptera 5390
medicinal plants 1190
Myrtaceae 3011
nature conservation 1350, 1351
remote sensing 1203
Sesbania speciosa 1189
shade trees 5390
synecology 1350, 1351, 1352, 1353, 5556
Sri Lanka *contd.*
vegetation types 1350, 1351, 1352, 1353, 4110, 5556
St. Helena
agroforestry 5785
land use 5785
Stability of stands (*see* Stand characteristics, stability)
Stachytarpheta indica 3742
Stain fungi 965, 2482, 4472, 6646, 6652
Stand characteristics 127
age 179, 2849, 3307, 3529, 4389, 4831, 4832, 4994, 5359
composition 707, 708, 709, 710, 802, 918, 1607, 3321, 3529, 4719, 5413
density 143, 175, 305, 717, 801, 1652, 1653, 1692, 1696, 1777, 2247, 2250, 2350, 2819, 3449, 3527, 3542, 3834, 4994, 5387, 5414, 5928
development 140, 179, 801, 859, 1527, 1607, 1696, 1699, 1700, 2245, 2655, 2817, 3574, 3726, 4815, 4990, 5258, 6327, 6383, 6414, 6417, 6418
history 3321
methodology 2244, 4073
mortality 1002, 1945, 3532, 3534, 4719, 4978, 5539, 5541, 6399
projections 801, 1699, 1700, 3449, 3542, 4389, 4815
quality 1769, 4126, 4730, 5483, 5940, 6408, 6409, 6506, 6508
simulation 1699, 1700, 1856, 3607, 4815, 4827, 5409, 6414
spacing 149, 150, 151, 373, 1527, 2247, 3527, 3533, 4716, 5913, 5919
stability 2849, 3785, 5376, 5723, 6399
statistical methods 772, 1527, 2825, 2826, 3307, 4639, 4837, 5258
structure 185, 368, 373, 702, 717, 772, 773, 785, 802, 1201, 1856, 1868, 1886, 1887, 2245, 2246, 2430, 2818, 2825, 2826, 2835, 3439, 3503, 3529, 3532, 3533, 3535, 3543, 3590, 3607, 3834, 4805, 4827, 4990, 5182, 5366, 5376, 5409, 5413, 5539, 5565, 6326, 6380, 6405
surveying 185, 5003, 5004
Stand tables, computer techniques 6428
Standards
European Communities 2221
measurement of roundwood 2824
planting stock 2221
Populus 2221
protective clothing 40
Statistical methods 16, 17, 146, 200, 610, 3309, 4638, 5396
air pollution 250, 257, 264, 1243
amenity value of forests 3261
bark beetles 3162
basal area 3523, 4800
biomass production 18, 786, 1684, 2670, 3541, 3559, 4532, 5416, 5927, 6397, 6410
browsing damage 6166
computer techniques 1133, 1134, 2667, 2826, 4159
dendroclimatology 4104, 4162, 6811
diameter 4800
direct sowing 1525
diseases of trees 6038
economics 829
fertilizer application 2150, 3405, 4708
fire danger 2968, 3717
forest inventories 205, 609, 2285, 2287, 2668, 2872, 2873, 3580
forest litter 3622
forest management 2869
forestry 606
form factors 5404
fungus diseases 3102
genetics 3052, 3054, 6072, 6075, 6236, 6237, 6238, 6584
grazing 4532
hybridization 1526, 3864, 6238
increment 2150, 4162, 4249, 4807
insect pests 2539, 3140, 3931
land use, planning 2612
landscape 3261
mensuration 136
mixtures 2869
nursery management 5040
nutrient cycles 6397
pollination 6072

Statistical methods *contd.*
precipitation 3609
pruning 739
roads 742
seed 1871, 5040
site class assessment 2852, 3557
species trials 2724
stand characteristics 772, 1527, 2825, 2826, 3307, 4639, 4837, 5258
stem forms 6375
synecology 4532, 5564
taxonomy 4983
thinning 737, 6360
tree breeding 3836, 6072
volume determination 4304, 5402, 6360, 6382
volume tables 2830
weight determination 3526
wildlife 2059
wind 5957
yield forecasting 191
yield tables 2860, 2861, 2862, 5836
Stefaniola 3919
Steinernema feltiae 6724
Steinernema kraussei 4512
Stem analysis 3521
Stem flow 2963, 5488, 5757, 5985, 6172
reviews 6782
Stem forms 405, 684, 1330, 1555, 1649, 1694, 3529, 4400, 4730, 4743, 4802, 5913, 6379
classification 5400, 5401
crook and sweep 1661, 4233, 6263, 6365
eccentricities 3450
equations 152, 154, 1679, 1680, 2243, 2252, 2254, 2829, 3524, 3525, 6376
forking and multiple stems 886, 3356
leaning steams 4867
simulation 6381
statistical methods 153, 6375
taper 152, 153, 160, 161, 170, 790, 1682, 2243, 2247, 2249, 2253, 2829, 3524, 4300, 6381 (*see also* Form factors)
Stems 5417
damage 5489
growth 154, 1330, 4802, 6026
mechanics 873, 2978, 3530
Steppe (*see* Vegetation types, steppes)
Steraspis squamosa 5710, 6098
Sterculia urens 330
Sterculiaceae 360
Stereum sanguinolentum 2473, 6232
Stigmina thujina 972
Stihl chainsaw 3511
Stilbella burmensis 6146
Stokesiella oregana 1854
Stomata 983, 1411, 3001, 3002, 4957, 4973, 4977, 5516
books 1104
Stratification (*see* Seed, treatments)
Streams
ecology 979, 5746
effect of forestry practices 654, 1762, 3683, 4032, 5166, 5167, 5747, 5755
erosion 1472, 1474, 4033, 5168, 5746, 6784
hydraulics 1473, 5168
relation to vegetation 307, 852, 979, 1069, 5748
stream flow 1472, 1473, 1998, 2596, 3242, 4031, 4550, 5167, 5169, 5747, 5748, 5755
stream training 1474 (*see also* Torrent training)
Street trees 583, 1491, 1494, 2228, 2522, 2621, 2622, 2977, 3086, 3690, 3691, 3896, 3982, 4084, 4098, 4926, 5010, 5124, 5219, 5364, 6504, 6645, 6671 (*see also* Ornamentals)
books 1503
Strenab processor 754
Streptomyces 6640
Stryphnodendron barbadetimam 890
Stump removal 131, 5367, 5368
Stumpage value and fees 4020, 5286, 5955, 6440
Stumps 112, 1626, 2186, 2478, 3110
Sturnus malabaricus malabaricus 1985
Sturnus vulgaris 3225
Subsidies 3334, 4178, 4179, 4180, 4181, 5287, 5288, 6245
Succession 368, 372, 1355, 1356, 1600, 5170, 5906, 6568 (*see also* Decay fungi, succession)
climatic factors 4996, 5960
climax communities 221, 382, 383, 1604, 1855, 2245, 2314, 3441, 4445
conferences 2655
methodology 922
on fields 1345, 3435, 4064, 4986, 6470
on mining wastelands 4054, 4436, 5764, 5765
plant colonization 74, 218, 371, 380, 1478, 1858, 3026, 3783, 3784, 3786, 5558, 6063
relation to fires 884, 1306, 1344, 1345, 1874, 2427, 2817, 3022, 3780, 4116, 4144, 5451, 5496
relation to logging 1605, 4992, 5496, 6319, 6554
relation to water resources 233, 4241
relation to water supply 1344
reviews 1861
seral stages 221, 371, 376, 380, 912, 1174, 1345, 1347, 1358, 1756, 1881, 1889, 1892, 2245, 2430, 2441, 2928, 3022, 3026, 3435, 3438, 3727, 3728, 3789, 3793, 4240, 4441, 4722, 5174, 5457, 6552, 6563, 6564, 6565
seral types 1894
simulation 3022
Suckering 112, 1566, 2175, 2176, 3430, 4243, 4698, 6318, 6552
Sudan
Acacia nilotica 168
arid regions 4613, 4685
biomass production 168
deforestation 4613
energy resources 4613
land reclamation 4685
volume tables 2829
Suillus bovinus 5594
Suillus granulatus 412, 2012, 4458
Sumatra, clear felling 4559
Sunscald (*see* Insolation)
Suriname
soil types 3579
yield regulation 3579
Surveying 604, 2189, 4139 (*see also* Forest surveys; Soil surveys; Vegetation, surveys)
Sus scrofa 2585, 3223
Swaziland, silviculture 3443
Sweden
air pollution 1232, 1234, 1236, 1239, 1765
Alces alces 1992
biomass production 1551, 2699, 5828
birds 6771
cleaning 2189, 4746, 4747
climatology 1219
controlled burning 1774
deer 1467
direct sowing 1614
energy resources 2699, 6256
fertilizers 74, 1585, 2323, 3072, 5569, 6308
forest fires 1313
forest inventories 1714, 1715
forest management 1719
forestry 1520
frost injury 4866
fuel plantations 1551, 2713, 3115, 5374, 6254, 6255, 6259, 6260, 6262, 6354
fuels 6256
genetics 6592
grazing 1053
herbicides 121, 2331, 5374, 5375
history 1313
humus 4889
hunting 1467
hydrology 1219
Hylobius abietis 6746
Hylotrupes bajulus 5668
insect pests 3115
irrigation 2323
land use 6260
mapping 1719
mechanization 1664
microclimatology 6443
mixtures 1642
mycorrhizas 3072
natural regeneration 6321
nature conservation 4067, 4068
Sweden *contd.*
nematodes 1963
nursery management 6310
nutrient cycles 6477
palaeoecology 378
Picea abies 4746
Pinus contorta 2056, 6272
Pinus sylvestris 3056
planning 1520
planting stock 6310
private forestry 6256
provenance trials 6272
remote sensing 4747, 6443
research 1551
safety 6251
site class assessment 1714
site preparation 1618, 1620, 1621, 1774
slash 1715
soil biology, fauna 3640
soil chemistry 3621
solar radiation 6443
surveying 2189
theses 6443
thinning 4765, 6359
Tomicus 3164
vegetation types 74, 1053
virgin forest 4067
weed control 116, 117, 119, 120, 6354
wildlife 4012
Sweep (*see* Stem forms, crook and sweep)
Swietenia macrophylla 1698, 2319, 3184, 4504, 5358
Swietenia mahagoni 3184, 5533
Swine (*see* Pigs)
Switzerland
acid rain 2335
air pollution 2342
Aphis pomi 2508
bibliographies 4614
Coleophora laricella 5648
education 2112
forest inventories 2289
forest management 1140, 1201, 2281
forest statistics 2083
forestry 1139, 1530
insect pests 6721
international cooperation 2077
Ips typographus 5121
labour 2692
land reclamation 2608
landscape 1488
Larix decidua 4944
mapping 2297, 4854
mountain forests 2678, 6168
nature conservation 1470
Pinus mugo 6451
pollution 1279
Priophorus ulmi 3970
provenance trials 4944
remote sensing 4854
research 2112
roadside plantations 2508
salt injury 4378
Scolytus 3197
shelterbelts 1140
site class assessment 2264
site types 2297
Symphyta 3970
thinning 2209, 2281, 2282
vegetation types 4999
wildlife 2591
work studies 2692
yield regulation 2282
Zeiraphera diniana 497
Sydowia polyspora 1416, 3911, 4466, 5059, 6670
Sylvilagus floridanus 4562
Symbiosis 1913, 4457, 5024, 5501, 5628, 6107, 6214
Symphyta 3115, 3970
Symplocos 6561
Symplocos anomala 3019
Symplocos latiflora 3032
Symplocos laurina 6392
Symplocos oligandra 3032
Symplocos sessilis 3032
Symplocos wynadense 3032
Synanthedon scoliaeformis 3268
Synanthedon sequoiae 3156
Synecology
Alaska 6573
Algeria 6569
Belgium 3812, 3814

Synecology *contd.*
books 1507, 2037, 4993
California 922, 1874, 1875
Canada 2037
Chile 4240, 6069
China 1882, 1883
classification 919, 3025, 3804
climatic factors 3804, 5539, 5560
computer techniques 2437
conferences 650
Connecticut 1344
Denmark 1355, 1356, 4986
ecotones 1855, 1882, 2174, 2586
effect of topography 379, 382, 383, 925, 1873, 3036, 3817, 4443, 6069, 6070
France 1345
German Democratic Republic 5006
Gujarat 1877, 2440, 4444
Honshu 372, 373, 382, 383, 1898, 3786, 3804, 3817, 3818, 3834, 5551
Hubei 3037
Idaho 2441, 6760
Indonesia 4537
Japan 5560
Kazakh SSR 1870
Lake States (USA) 1855, 2037
layer structure 317, 773, 1895, 1897, 1898, 3038, 3564, 4445, 6573 (*see also* Ground vegetation; Underwood)
Luxembourg 3812
Madhya Pradesh 379
Mediterranean Countries 2973
methodology 650, 922, 2440, 3038, 3781, 3811, 5564
Mexico 925
Montana 1895
Nepal 6434
Netherlands 5554
New Hampshire 3025
New Jersey 1857, 5000
Nigeria 3819
Northern India 5001
Ontario 1280, 4994
Oregon 2439
Panama Canal Zone 5808
Quebec 6070
relation to climatic factors 1352
relation to fires 1291, 1292, 1293, 1294, 1296, 1306, 1311, 1314, 1482, 1507, 1773, 1873, 2971, 3029, 4144, 5495
relation to land use 294, 579, 866, 1053, 1345, 2430, 2439, 3024, 3036, 4986, 5000, 5212
relation to site factors 258, 374, 1311, 2188, 3027, 3799, 3810, 3819, 4240, 4922, 4923, 5174, 5539, 5552, 6566, 6572
relation to soils 221, 379, 925, 1883, 1884, 3028, 3633, 3635, 3647, 3655, 3810, 3811, 3817, 3826, 4348, 4441, 4994, 5455, 5539, 6070, 6572
relation to topography 3028
Scotland 3820
Shikoku 5906
South America 3787
Southern Africa 3825
Sri Lanka 1350, 1351, 1352, 1353, 5556
statistical methods 1895, 4532, 5564
Tamil Nadu 3831
Texas 4005
Tropics 3787
Tunisia 6569
United Kingdom 2636
Uttar Pradesh 4443
Virginia 3781
West Bengal 3803
Wyoming 1873
Syria, climatology 1111
Syringa vulgaris 2948
Systems analysis 601, 4269
Systena marginalis 2533
Syzygiopsis 5512
Syzygiopsis oblanceolata 5512
Syzygiopsis oppositifolia 5512
Syzygiopsis sericea 5512
Syzygium 3011
Syzygium cumini 2903, 3715, 4313, 5499
Tabebuia neochrysantha 891
Tabebuia pentaphylla 2599, 3020
Tabebuia rosea 2116, 2117, 2163
Tabernaemontana crispa 3757
Tabernaemontana divaricata 3019
Tabernaemontana pandacaqui 3019
Tabernaemontana subglobosa 3019
Tachinidae 6730
Taiwan
bamboos, pests 3128
flora 3018, 3019, 3020
mycorrhizas 3074
Pinus 2799
silviculture 2799
Tajik SSR
Ephedra equisetina 3414
hydrology 232
Juglans regia 3737
vegetation types 232
Talbotiella gentii 596
Tamarindus indica 3111, 5499
Tamarix 70, 3921, 5710
Tamarix aphylla 6059
Tamarix chinensis 4976
Tamarix gallica 4049, 4569
Tambourissa 1781, 1782
Tamiasciurus douglasi 4116
Tamiasciurus hudsonicus 547, 1560, 3235, 4007, 5615
Tamil Nadu
Acaudaleyrodes rhachipora 3129
coppice 715, 3442
Eucalyptus 715
Eucalyptus grandis 192
Eucalyptus tereticornis 4451
flood control 3241
insect pests 1947
plantations 1685
precipitation 3241
soil chemistry 6456
soil types 6456
species trials 4200
Symplocos 3032
synecology 3831
vegetation types 3831
working plans 819
yield tables 192
Tanzania
bibliographies 5238
Cupressus lusitanica 3726
forest inventories 4842
monkeys 5213
mycorrhizas 1917
nature conservation 5213
Pinus patula 3726
Pleioceras orientale 1343
precipitation 5436
seed, storage 4691
vegetation types 1917
Taper, stem (*see* Form factors; Stem forms, taper)
Taphrina aurea 6667
Tardigrada 3640
Tarsonemus 3166
Tasmania
Chrysophtharta bimaculata 1438, 5114
forestry 4625
nature conservation 5212
private forestry 4178
subsidies 4178
Taungya 2017, 4121 (*see also* Agroforestry; Shifting cultivation)
Taxaceae 4197
Taxation 8, 34, 621, 768, 2106, 2689, 2690, 3335, 4336, 4664, 5286, 5831, 6243, 6244, 6246, 6441
Taxillus kaempferi 4824
Taxodiaceae 4197
Taxodium 1540
Taxodium distichum 446, 847, 1427, 2533, 4890, 5639
Taxodium distichum nutans 5639
Taxonomy 4603, 5516, 6047, 6211, 6544 (*see also* Chemotaxonomy)
Agathis 3750
Alangium 1796
Amoora 1845
Antrophora 1795
Araucaria 6046
Aristolochia 6047
Artemisia 1841
Ascarina 914
Bambuseae 4793
Barleria 2421
Betula 1796
books 4601
Boraginaceae 1795
Caesalpinioideae 6545
Campomanesia 348
Taxonomy *contd.*
Carallia 1844
Ceratozamia kuesteriana 361
Cercidiphyllum 1796
Chrysothamnus 5546
Coniferae 2643
Crataegus 3031
Cupressus 2422
Cybianthus 5549
Cycadaceae 1846
Daphniphyllum 329
Dioon 917
Diospyros 363
Dipterocarpaceae 1102
Ducampopinus 5544
Dysoxylum 1843
Eglerodendron 5506
Englerella 5509
Ephedra 2432
Eremoluma 5514
Erythroxylum 3013
Eucalyptus 1842, 2989
Eugenia 3776
Eysenhardtia 3017
Fagaceoxylon 1796
Fagus 1850, 6050
Fagus sylvatica 1315
Firmiana 2420
Franchetella 5514
Fraxinus 328
Freycinetia 6051
Ginkgo 4591
Grewia carpinifolia 358
Hamamelididae 4957
Hopea 6547
Juglans 3063
Labatia 5505
Larix 916
Lecythidaceae 360
Lepidocordia 1795
Lindera 6052
Liquidambar 1848
Liriodendroxylon 1796
Lophanthera 5547
Magnolia 1796
Malus 6054
Melia 2423
Memecylon 3775
Miconia 5548
Myrtaceae 3011
Palmae 1852, 3012
Pandanus 6051
Parkia 915, 6704
Picea 4983, 6048
Pinus 2644, 3015, 3847, 4272, 4429, 5305, 5544, 5563
Pinus contorta 3059
Pinus nigra 6023
Piptocarpha 357
Placodiscus 359
Plataninium 1796
Pleioceras 1343
Pouteria 6018
Pseudocladia 5507
Pteleocarpa 1795
Quercinium 1796
Quercus 2801, 2973
Radlkoferella 5508
Richardella 5508
Rubiaceae 2424
Sapindales 4407
Sapotaceae 5505, 5506, 5507, 5508, 5509, 5510, 5511, 5512, 5513, 5514, 6018
Saurauia 1851
Solenocarpus 3009
Sonneratia 3747
Spondias 3009, 3010
statistical methods 4983
Sterculiaceae 360
Syzygiopsis 5512
Thamnocalamus 2403
Tritaxis 3777
Trochodendron 1796
Ulminium 1796
Ulmus 6049
Urbanella 5513
Vochysia 2425
Taxus 3985, 4694, 5215, 6557
Taxus baccata 1172, 3830, 5654, 5791
Taxus cuspidata 6298
Taxus media 'Hicksii' 681
Tecoma stans 4787
Tecomella undulata 1552

Tectona grandis 3742
biomass production 803, 5412
breeding 404
calorific value 3345
drought 100
forest litter 2319, 2751, 2909
genetics 404, 2444, 6603
increment 5415, 5941
insect pests 3184
Eutectona 3208
Lepidoptera , 495, 5102
Xyleborus 4504
mixtures 2869
natural regeneration 100
nursery management 3420, 6313
nutrient cycles 2596, 5412
plant water relations 3001, 3002, 3651
plantations in
Indonesia 2596
Malaya 130
Nigeria 3505, 4810
Thailand 2902
planting stock 718
plus trees 6601
provenance trials 5319
remote sensing 5954
research 6603
rotations 2277
seed 3375, 6313
diseases 4693
soil chemistry 2909
soils 2966
spacing 3505
stomata 3001, 3002
transpiration 3001, 3002
tree breeding 2116, 2444, 6601, 6603
vegetative propagation 1570
volume tables 2831, 5941
yield forecasting 5941
Telenomus clisiocampae 1949
Telenomus dasychiri 1967
Telenomus dendrolimi 1967
Telenomus fengningensis 1967
Telenomus phalaenarum 6740
Telenomus tetratomus 1967
Temnochila chlorodia 529, 6741
Temperature 303, 352, 874, 1695, 2996, 4452, 6435
Tennessee
birds 4549
forest borders 4549
forest recreation 1094
land reclamation 4568
mining wastelands 4568, 6617
nutrient cycles 2943
stand characteristics, structure 1606, 1886, 1887
vegetation types 1886, 1887, 1888
wilderness 1094
Tenthredinidae 5678
Tenuipalpidae 2554
Terminalia arjuna 3715, 6017
Terminalia belerica 2966
Terminalia brassii 2500
Terminalia calamansanai 2500
Terminalia catappa 5499
Terminalia ivorensis 2116, 4223
Terminalia sericea 2256, 3624, 3765
Terminalia superba 2116
Terminalia tomentosa 100, 2909, 2966, 3345
Terminologies 1433, 4153
Chinese 6219
English 1118, 2357, 4619
French 4619
German 2651
Japanese 2651
Nepali 6220
Russian 2357
Termites (*see* Isoptera)
Terracing (*see* Contour ridging)
Tetraclinis articulata 1482
Tetradymia canescens 5416
Tetramorium caespitum 5711
Tetranychidae 2554
Tetrao urogallus 2580, 2587, 6165
Tetrastes bonasia 6165
Tetrastichus aneurytus 3117
Tetrastichus brevistigma 4000
Tetrastichus coerulescens 3182
Tetrastichus gallerucae 4000
Tetrastichus malacosomae 1949
Tetrastichus servadeii 5715
Tetropium gracilicorne 5666
Texas
Atta texana 1449
biomass production 4823
birds 3231, 6773
browse 3214, 5728, 5729, 6285, 6758
Carya illinoensis 2877
deer 3230, 6763
Dendroctonus 1953
Dendroctonus frontalis 1014, 2535, 3162
Disholcaspis cinerosa 5124
fuel plantations 3346
galls 5124
grazing 540, 1974, 3230, 5725, 5726, 5727, 5728, 5729, 6761, 6763
natural regeneration 6322
Pinus echinata 6415
Pinus taeda 6408, 6415, 6439, 6578, 6586
Platanus occidentalis 3346
Prosopis 5500
Prosopis glandulosa 5726
provenance trials 3854
remote sensing 2877, 4331
Sapium sebiferum 4823
site class assessment 6408
species trials 6270
synecology 3038, 4005
taxation 6246
vegetation types 4005, 4331
weed control 540, 5725, 5726, 5727, 5728, 5729
Yucca 6761
Thailand
agroforestry 4120
bibliographies 5820
biomass production 4120
Cryptoporus volvatus 6635
Diospyros 6053
Diprionidae 6710
edible species 2634, 5394
education 4185
forestry 5829
hydrology 2907, 2908
Melia azedarach 4120
Metroxylon 5394
natural regeneration 6329
nutrient cycles 4120
plantations 2902
planting stock 718
provenance trials 4198
shifting cultivation 3253, 3289, 4120
soil biology 3638
Tectona grandis 718
vegetation types 3638, 4120
Thamnocalamus tessellatus 2403
Thanasimus formicarius 3196
Thaumatographa 3954
Thaumatographa eremnotorna 3954
Thaumetopoea jordana 6116
Thaumetopoea pityocampa 2515, 3204, 5715, 6116, 6119, 6688
Thaumetopoea solitaria 6116
Thaumetopoea wilkinsoni 5710, 5711, 6098, 6116, 6118, 6119
Thecodiplosis japonensis 524, 525, 526, 5141, 5142, 5143, 5144, 5689
Thelaxinae 3936
Thelephora terrestris 412, 418, 421, 943, 1383, 3869, 3875, 4456, 6613
Thera juniperata 4520
Thereuonema 2522
Thermal relations of plants 1210, 1217, 1342, 1818, 2996, 3613, 5531, 6073, 6537
soil temperature 887, 4098, 6448, 6531
Theronia atalantae 506
Therrya piceae 3908
Theses 616, 5847
Acacia nilotica 168
agroforestry 1088
Alnus rubra 4695
amenity and recreation areas 1093, 5216, 5217
ants 3971
bacterial diseases, trees 473
bamboos 4796
bark 4958
biomass production 168, 3761, 4819, 4820
birds 6771
Cervus elaphus 5154
chemical constituents of plants, phytoalexins 906
Theses *contd.*
chemotaxonomy 939
chromosomes 400, 5014
climatology 1733, 4996
coppicing 679
crown 184, 4804
cytology 939
economics 4667, 4863
Eucalyptus 938
fertilizers 415, 752, 4795
foliage, diseases 3909
forest influences on, water composition and quality 4029
forest inventories 4719, 4840, 4841
forest litter 3658, 6460
forestry 586
fungi 5043
fungus diseases 1820, 5059, 5077
genetics 3856
Gnathotrichus 5119
growth habits 4954
growth regulators 1821
health 4671
herbicide application, phytotoxicity 114
hydrology 2596
insect pests 5118
land reclamation 944
land use 585, 1083, 2613
microclimatology 6443
mycorrhizas 415, 944, 3869, 5026
natural regeneration 4718, 4817, 4991
nature conservation 572
nematodes 1963, 3977
nutrient cycles 850, 2596, 3659, 6477
phenology 45
photosynthesis 341, 1819
Picea sitchensis 929, 4771
Pinus contorta 6272
Pinus sylvestris 1819
plant ecology 2429
plant nutrition 4818, 4909
planting stock 4712, 4713
private forestry 626
provenance trials 6272
remote sensing 4845, 4846, 4847
respiration 1819
root and butt rots 952, 3888
Sabulodes caberata 3948
seed, seed orchards 674
seedlings 4794
silviculture 4717
site types 4720, 4989
soil physics 4879
soil water 3644
soils 4876
solar radiation 6443
spacing 752
stand characteristics 3522, 4990, 5003
streams 5166
synecology, Netherlands 5554
transpiration 3761
tree breeding 3856, 5015
tropical forests 2672
vegetation types 5004
vegetative propagation 4701
volume determination 4803
wood anatomy 868
wood supply and demand 818
working plans 4833
yield forecasting 805
yield regulation 4828
Thinning 748, 2793, 3481, 3563, 4769, 5928, 6361
books 1108
chemical treatment 3480, 4748, 4749, 4750, 5370, 6320
computer techniques 201
conferences 732, 4634
economics 735, 736, 740, 1176, 1628, 1631, 1729, 2204, 2300, 3487, 3489, 3604, 4269, 4285, 4634, 4731, 4753, 4755, 4757, 4758, 4763, 4764, 4765, 6439
effect on ecology 1059, 3491, 4718, 5376, 5731
effect on soils 2917
effect on stem forms 4743
effect on wood properties 746, 4743
frequency 1693
in coppice 4242, 5378

Thinning *contd.*
logging 742, 745, 754, 1176, 2204, 2787, 2794, 3484, 3485, 4269, 4285, 4634, 4754, 4755, 4756, 4757, 4758, 4759, 4760, 4761, 4762, 4763, 4764, 4765, 4766, 5377, 6359
machines 122, 734, 735, 736, 754, 755, 756, 757, 4281, 4285, 4782, 5920
marketing 741
mechanization 2788, 2791, 2794, 2810, 3484, 3512, 4266, 4634, 4753, 4755, 4757, 4759, 4761, 4763, 4764, 4766, 5377
methodology 3482
natural thinning 5557, 6405
planning 737, 740, 743, 789, 1636, 2206, 2300, 2864, 3494, 3542, 4268, 4633, 4745, 4751, 4752, 5909, 6362
relation to damage 123, 1272, 1630, 4231, 4762, 4766, 4868, 4869, 6359
relation to diseases 2484, 5046
relation to pests 3235, 4001, 5117, 6708
reviews 123
seedlings 4245
selection criteria 2205, 2209, 2281, 2282, 3495, 4714, 4745, 6405, 6419
simulation 2864, 3308, 3492, 4268, 4765
statistical methods 1629, 6360
systematic thinning 308, 691, 746, 2792, 4249, 5900, 5930
systems analysis 4269
types 125, 689, 717, 733, 734, 741, 1632, 1633, 1634, 1637, 1655, 1693, 2206, 2207, 2208, 2274, 2789, 2790, 3482, 3486, 3488, 3489, 3492, 3493, 4748, 4749, 4750, 4751, 4752, 4779, 5910, 5918, 6358
utilization 1635, 2858, 4731, 5377
volume determination 1583, 1634, 1702, 2273, 2797, 4752, 5939, 6360, 6419
work studies 124, 1176, 2204, 2788, 2791, 2794, 3483, 3487, 4266, 4754, 4756, 4758, 4759, 4760, 4761
Throughfall 2594, 2965, 3240, 4364, 5757, 6172, 6490, 6777
reviews 6782
Thuja 3987
Thuja heterophylla 15
Thuja occidentalis 816, 1172, 1581, 2063, 3423, 3953, 3999, 6111
Thuja orientalis 4424
Thuja plicata 239, 1172, 1297, 1390, 2208, 2988, 6215, 6511
reviews 5380
Thujopsis dolabrata 3913
Thujopsis dolabrata hondai 3543, 6155
Thyridopteryx ephemeraeformis 6689
Thyronectria austro-americana 5039
Thyrsostachys siamensis 5389
Thysanoptera 3927
Tilia 378, 2556, 3425, 5094, 5845
Tilia americana 1855, 2749, 3419, 4300, 5378, 6346
Tilia argentea (see *Tilia tomentosa*)
Tilia cordata
air pollution 2345
antitranspirants 3762
coppicing 2175
drainage 2188
flooding 3446
growing stock 3551
growth regulators 5893
insect pests, *Otiorrhynchus* 2546
mixtures 3551
mycorrhizas 2467, 2468
natural regeneration 2175
palaeoecology 6558
plant water relations 2188, 2468
plantations on, waste land 4049
pollen 6558
shade trees 1493
suckering 2175
vegetative propagation, shoot cuttings 6300
virgin forest 5557
Tilia* × *euchlora 4378, 5094
Tilia japonica 3534, 5465, 5991
Tilia maximowicziana 5094
Tilia mongolica 5094
Tilia petiolaris 5094
Tilia platyphyllos 596, 3739
Tilia tomentosa 5094, 5439, 6035
Tiliaceae 6481
Tissue culture (*see* Vegetative propagation, tissue culture)
Tomicus minor 3164, 3266
Tomicus piniperda 514, 3164, 3169, 5115, 5672, 5717, 6128, 6136, 6708
Tonga
mycorrhizas 1381
Pinus caribaea 1381
Tonica niviferana 1463
Toona australis (see *Toona ciliata*)
Toona ciliata 4419
Toona ciliata australis 5319
Torrent training 551, 655, 2602
Tortricidae 3200, 3955, 5655
Tortrix loefflingiana 5655
Tortrix viridana 3133, 3134, 3199, 3200, 5655, 6114, 6140, 6718
Tournefortia argentea 227
Trace elements (*see* Chemical constituents of plants, minor elements; Fertilizers, minor elements; Soil chemistry, minor elements)
Tractors 1183, 2160, 2791, 5920
Training 35, 36, 137, 4654, 4666, 4668, 4670, 5290, 5851, 6227
Trametes hispida 4471
Trametes pini (see *Phellinus pini*)
Trametes trogii 956
Translocation 1667, 4916
Transpiration 226, 1217, 1218, 1219, 1228, 1339, 1807, 1809, 2317, 3001, 3002, 3645, 3649, 3651, 3652, 3653, 3761, 3768, 4421, 4903, 4940, 4971, 4973, 4976, 4977, 5060, 5438, 5453, 5454, 5613, 5807, 5974, 6035, 6451, 6538, 6539
Transplanting 4044
trees 898, 4087, 4092, 4095, 4101, 5797
Tree breeding 51, 1576 (*see also* Genetics)
books 5812
breeding programmes 4626, 5573, 5583
Brazil 6595
Colombia 2116
France 4704, 5590
German Democratic Republic 4371
German Federal Republic 5297
India 2444
Italy 6666
Japan 2680
Michigan 5574
New Zealand 6083
North Carolina 932
Pacific Northwest (USA) 1902
Pacific Southwest (USA) 1902
Sabah 6279, 6282
United Kingdom 4214
USA 5010, 5244
Uttar Pradesh 3065
computer techniques 5571
conferences 2063, 4626, 5244, 5249
early selection 396, 932, 933, 1370, 1911, 3049, 3050, 4200, 5013, 5015, 5301, 5308, 5588, 6084, 6579
economics 1902, 3058, 4214
effect of inbreeding 3040, 6072, 6078, 6589
genetic gain 932, 1322, 3839, 3854, 4214, 5575, 6581, 6582, 6598
methodology 389, 402, 404, 928, 931, 1368, 1562, 1899, 2401, 2458, 3057, 3066, 3067, 3379, 5333, 5340, 5572, 5585, 5586, 5869, 6080, 6088, 6089 (*see also* Flowering, induction; Pollination)
phenotypic selection 386, 390, 1371, 1906, 1909, 2452, 2853, 3046, 3346, 3836, 4447, 4448, 4772, 5570, 5571, 5580, 5582, 5587, 5591, 5891, 6579, 6601
ploidy 2458, 3844, 3861, 3862, 5589
progeny testing 2463, 3052, 3354, 3842
Alnus 5297
Betula 2456, 2457, 3365
Castanea 3357
Chamaecyparis 1907
Cryptomeria 1910
Eucalyptus 3064, 3856
Fraxinus 5589
Juglans 5588
Larix 3043
Picea 3350, 3352, 3839, 5013, 5577
Pinus 1198, 1899, 3847, 4683, 5574, 5575, 6083, 6588
Platanus 1377, 3854
Tree breeding *contd.*
progeny testing *contd.*
Populus 2459, 5304
Pseudotsuga 3838, 5015, 5579
Quercus 6594
relation to ecology 614, 2944, 3677
research 2444, 6603
resistance
to damage 1256, 1274, 1911, 3842, 4371, 5010, 5575
to diseases 456, 465, 934, 1415, 2461, 3088, 3099, 3100, 3103, 3357, 3861, 4481, 5010, 5304, 5622, 6095, 6634, 6666
to pests 2450, 3132, 3929, 3933, 3959, 5107, 5644, 6529
selection criteria 2139, 2456, 3526, 3836, 3837, 3839, 4097, 4450, 5581, 6582, 6583
statistical methods 3836, 6072
wood properties 1616, 1905, 2459, 2463, 3058, 3838, 6079, 6595
Tree classes 323
Tree guards 583, 4246, 5364, 6325
Tree surgery 1396, 6199, 6648, 6675

Treelines and timberlines 1314, 4608, 4872, 4874, 4875, 4941, 6623
Trees 2368
books 1106, 1113, 2038, 2040
Nicaragua 1106
Trevoa trinervis 1360
Triadica sebifera 6055
Trichilia emetica 5525
Trichoderma 91
Trichoderma harzianum 4488
Trichoderma koningii 954
Trichoderma viride 954, 1922, 6676
Trichogramma 6140, 6143, 6734
Trichogramma cacoeciae 6143
Trichogramma cephalciae 6143
Trichogramma dendrolimi 5653
Trichogramma embryophagum 5715, 6143, 6740
Trichogramma evanescens 6740
Trichogramma semblidis 6740
Tricholoma pessundatum 413
Trichosporium symbioticum 337
Trichosurus vulpecula 1994, 4978, 5150, 5256
Trichothecium roseum 1922
Trimmatostroma bifarium 5619
Trimmatostroma excentricum 3912
Trioxys curvicaudus 2556
Trioza 3124
Trioza hirsuta 1947
Triplaris pachau 910
Triplochiton scleroxylon 680, 3798
Tripura
minor forest products 2228, 2229, 2232, 2237, 2238
shifting cultivation 2611
Tristania conferta 3802
Tritaxis beddomei 3777
Trochodendron beckii 1796
Troglodytes troglodytes 2588
Trogoderma 4521
Trophis involucrata 4426
Tropical Asia
agroforestry 619
conferences 602
insect pests 619
Isoptera 6101
plantations 619
Tropical crops, books 1501
Tropical forests 614, 657, 4608, 4642, 6229 (*see also* Vegetation types, tropical zones)
bark, anatomy 331
bibliographies 3286
birds 1982
books 5808
Brazil 5358
conferences 14, 596, 602, 2657, 3314, 5264, 5265
deforestation 569, 2673, 4641
economics 2657
forest resources 3315, 4641
forest statistics 4641
forestry development 5263
increment 2847
international cooperation 5266
mycorrhizas 3879, 6618

Tropical forests *contd.*
natural regeneration 2672, 3435
nature conservation 2025, 2673
nitrogen fixation 3878
Panama Canal Zone 5808
phenology 4397
plantations 1163
research 4164
reviews 2672
shifting cultivation 6063
silviculture 2672
synecology 5808
Tropics
agroforestry 4062, 4163, 5180, 5193, 5208, 5209, 5781, 5782, 5784, 5789, 6188, 6796
arid regions 4640
bark, diagnostic value 3735
biomass production 4601
books 3279, 4602
deforestation 3313
erosion 3289
forest ecology 4602
forest inventories 4326
forest resources 4642
forestry 3279, 4163, 5267
international cooperation 5266
land use 3279, 5783
Leguminosae 4640
plant ecology 5262
provenance trials 5319
shifting cultivation 5180
silviculture 5356
soil conservation 3289, 5781, 5789
synecology 3787
vegetation types 3279, 4607, 5007
Tropisms 4975
Truffles 2239
Trypodendron lineatum (see *Xyloterus lineatus*)
Tsuga 1540
Tsuga canadensis 727, 762, 985, 987, 2980, 3023, 3027, 3423, 3705, 3731, 3736, 5221
Tsuga diversifolia 5360
Tsuga heterophylla
biomass production 800
dead trees 2937
decay in wood 2937, 2939
density of wood 3058
diseases, seedlings 1390
fertilizers 3632
flowering 6043, 6044
foliage 2987
history 1297
insect pests, *Gnathotrichus* 5119
mistletoes 486, 3112, 5626
mosses 1854
mycorrhizas 410, 417, 1751, 1916, 2464, 2765, 3068
natural regeneration 2765
nursery management 4226
nutrient cycles 1854
nutrient deficiencies 3400
plant water relations 239
roots, adventitious roots 2988
sapwood 2987
seed, storage 4692
soil chemistry 239
soil fertility 3632
thinning 4266
tree breeding 3058
vegetation types 1297
volcanoes 6511
weed control 2198
wood anatomy 2348
Tsuga mertensiana 800, 1202, 1935, 2987, 2988
Tsuga sieboldii 4824, 4825
Tsugaspidiotus tsugae 987
Tuber aestivum 2239, 6612
Tuber albidum 2239, 6612
Tuber brumale 2239
Tuber magnatum 6612
Tuber melanosporum 2239
Tuber rufum 2239
Tuberculina maxima 1404
Tumours (see Burrs)
Tundra (see Vegetation types, tundra)
Tunisia
synecology 6569
vegetation types 6569
Turkey
afforestation 3316
birds 5160
climatology 1111
dendrochronology 6202
forest statistics 2094
forestry development 3316
insect pests, control 5160
Ips sexdentatus 3167
Pinus brutia 5458
plant nutrition 5458
plant water relations 5458
Turkmen SSR
insect pests 3919
shelterbelts 6789
stand characteristics 5387
Turpentine 1186
Turpinia ovalifolia 3019
Tylenchidae 3266
Types 4769
Uganda
books 590
flora 590
Ukrainian SSR
Abies alba 6562
Aesculus hippocastanum 3497
Agriopis 5103
agroforestry 2180
arboreta 5338
assortments and assortment tables 6393
choice of species 6266, 6517
dieback 6040
Diprion pini 1451
electrical phenomena in trees 42
Erannis 5103
exotics 6266, 6268
Fagus sylvatica 856
fertilizers 695, 5351
forest administration 5849
Heterobasidion annosum 955
increment 178
Juglans 3857
Lymantria dispar 4521, 4665
mixtures 856
Operophtera 5103
Picea abies 6562
Pinus 2118, 6266
Pinus ponderosa 671
Pinus sylvestris 42, 717, 935, 6577
plantations 2180
provenance trials 42, 2448, 5453, 6269
Quercus cerris 6268
Quercus robur 3497, 6597
Quercus rubra 6517
shelterbelts 1071, 6788, 6790
silvicultural systems 5978
soil biology 695
soil water 5978
soils 1071, 6562
species trials 671, 5338, 5339
stand characteristics 5414
tree breeding 935, 5580, 5581, 5582
Ulex 1169
Ulex europaeus 3288, 4736, 4737
Ulminium scalariforme 1796
Ulmus
birds 4010
control 4262
diseases
decay fungi 956
dieback 455, 960, 4490
wilts 976, 1401, 4328, 4473, 5061, 5246, 5603, 5610, 6647, 6648, 6649, 6676, 6677
fruit 5591
fruiting 5591
genetics, variations 5591
insect pests 3918
Coleoptera 518, 960, 963
Priophorus 3970
Scolytus 2574, 3170, 5106, 6700
Xanthogaleruca 4000, 5710
ionizing radiation 518
mining wastelands 4436
pruning 6648
stand characteristics, structure 1868
tree breeding 5010
vegetative propagation, tissue culture 2740
Ulmus alata 4490, 5728, 5729, 6009
Ulmus americana 3108, 6009
bark, damage 4377
control 6346
Ulmus americana *contd.*
diseases
bacterial diseases 3108
dieback 4490
mycoplasmas 5082
wilts 484, 3896, 5611
fertilizers 2749
hybridization 3861
increment 5169
injection of trees 975
insect pests, *Scolytus* 2567
plant water relations 5169
vegetative propagation 5333
wood anatomy 3740
Ulmus boissieri 6049
Ulmus carpinifolia 964, 2188, 3861
Ulmus carpinifolia sarniensis 5084
Ulmus glabra 959, 964, 2606, 4355, 5061
Ulmus* × *hollandica 4593
Ulmus japonica 3861
Ulmus laciniata 3861
Ulmus laevis 1779, 3861, 5591, 6516
Ulmus minor 3628
Ulmus parvifolia 1170, 5611, 6700
Ulmus procera 959, 964, 1437, 2566, 4593, 5061, 6700
Ulmus pumila 3861, 3903, 4043, 6700
Ulmus pumila arborea 2009, 5591, 6516, 6789
Ulmus rubra 5082, 5444, 5649
Ulmus thomasii 6009
***Ulmus* 'Vegeta'** 5084
Uncarina leandrii 3744
Uncinula 449
Undergrowth 1469, 1650, 2366, 6552
Underplanting 1650, 4727, 5357
Underwood 1650, 1898, 2935, 4330, 4822, 6762
ecology 233, 440, 4460, 4992, 6573, 6760
United Arab Emirates
nature conservation 4442
vegetation types 4442
United Kingdom
afforestation 5842
agroforestry 568, 1088
air pollution 1767
amenity forests 582, 4148
Apatele rumicis 504
arboreta 4592
arboriculture 4592
Arthropoda 2496
bark beetles 4502
birds 543
Cacoecimorpha pronubana 3953
Ceratocystis ulmi 961, 962, 2566
compensation 4395
Dama dama 1468
decay fungi 3891
decayed wood 6215
deforestation 5842
dendrochronology 4593, 4595, 4596
dendroclimatology 4594
Dendroctonus micans 3963, 4530
diseases of trees 2640
economics 1730, 4337, 4338
education 2031
entomology 488
Erannis defoliaria 504
Eucallipterus tiliae 5094
Eucalyptus 938, 4774
Euonymus europaeus 3030
exotics 2019, 4592
fire control 2357
fire effects 6215
fire suppression 2359, 2969
forest fires 4395
forest management 561
forest policy 2675, 4166
forest recreation 2031, 3792, 4148
forest resources 2710
forestry 1535, 2675, 3791, 4166, 4167, 5842
frost injury 4865, 5963
frost resistance 5963
fuel plantations 2710, 5254
fuels 2854
fungicides 6743
fungus diseases 1409, 5059
genetics 6215
Gilpinia hercyniae 6729
grazing 4056
growth regulators 6215
hedges 4563

United Kingdom *contd.*
Hemiptera 1426
herbicides 2779, 4260
history 98, 1087, 2040, 4168
hydrology 3653
insect pests 6149
insecticides 6743
international cooperation 6205
Juniperus communis 4433, 4596
land classification 1484, 1485
land reclamation 559, 4049
land use 2675, 3791, 3792, 4166, 6189, 6190, 6205
landscape 5901, 6190
laws 4395
legislation 4395
mapping 4329
mining wastelands 559
mycorrhizas 2467, 2468
nature conservation 2031, 3792, 4166, 4433, 4592, 5790, 6189, 6205
Neodiprion sertifer 6727
nursery management 4168
nutrient deficiencies 6215
Operophtera brumata 3943
ornamentals 4592, 5963, 6149
palaeoecology 5561, 5562
Panolis 2528
Panolis flammea 3193, 5703
parasites of insect pests 6729
periodicals 4597
pesticides 6743
Phytophthora 5604
Picea sitchensis 5979
pollen 5561, 5562
private forestry 561, 1730
Quercus 4594
remote sensing 1724
research 2659, 2675
Rhyacionia buoliana 5703
roadside plantations 5901
Scolytus 963, 2566, 3175
Seiridium cardinale 3901
shelterbelts 6179
shrubs 4563
silviculture 98
societies 3277
soil fertility 2928
soil physics 3618
soil water 4901, 4902
succession 2928, 5764, 5765
trees 2040
Ulmus 964
urban and suburban forestry 582, 2031, 3962, 4148
vegetation, classification 2636
Verticillium 5608
virus diseases of insects 6727
weed control 2779, 4263, 5908, 6344
wildlife 544
yield tables 6421
Uraba lugens 1000
Urban and suburban forestry 570, 584, 592, 899, 1495, 4086, 4899, 6509
bibliographies 593
books 5815
classification 6808
computer techniques 5218
conferences 3297
economics 1491
England 6631, 6808
Finland 2028
Florida 6809
German Democratic Republic 2008
German Federal Republic 4084
Honshu 5224
Illinois 637, 5795
Ireland 5815
Korea Republic 4369, 4922
Louisiana 1030
Massachusetts 4579
Michigan 1492
Missouri 1098
Netherlands 3262, 5220
New York 3646
Oklahoma 1030
research 5010
Texas 1030
United Kingdom 582, 2031, 3962, 4148
USA 1491, 5010, 5219
Urbanella 5513
Uredo cupressicola 3905
Urocerus gigas 2550
Ursus thibetanus 5157
Urticales 425
USA
acid rain 3706, 5234
afforestation 4051, 6244
air pollution 3709
amenity value of forests 2060
arboriculture 2036
bark beetles 4109
Betula nigra 3865
biological control 498, 6724
Bursaphelenchus xylophilus 1964
camping 4581
Castanea mollissima 5388
Celtis 6009
Celtis canadensis 940
Ceratocystis fagacearum 3085
conferences 1120, 1126
controlled burning 2061
Cryphonectria parasitica 968
Cupressus arizonica 6076
diseases of trees 12, 1387
economics 1208, 6244
energy resources 4142, 4188, 5813
extension 3337
fire control 6512
fire danger 2355
fire suppression 2361
forest administration 4622
forest fires 1127, 1521, 1771, 4600
forest management 199, 545, 704, 705, 1126, 2057, 3330, 4117, 4316
forest ownership 1543
forest policy 3330, 4117, 4146, 4622, 5253
forest recreation 598, 2026, 2620, 4584
forest resources 1529, 2686
forest statistics 1542, 2686
forestry 2107, 3285, 4113
fuel plantations 5254
fuels 199
genetics 3865
glossaries 5824
history 1127, 4600
information services 1120, 1146
insect pests 12, 1421, 4001
Isoptera 6100
Juglans nigra 12
labour 1208
land reclamation 444
land use 1074, 1075, 1076, 1077, 1078, 1081, 1082, 1481, 3284, 3285, 3293, 4146, 5233, 6207
legislation 1078, 1089, 2026, 2057, 2061, 2109, 5253, 5788, 5946, 6244
Lymantria dispar 498
Maclura pomifera 4949
mining wastelands 4051
national parks 598, 1089, 1502, 3709
natural regeneration 1604
nature conservation 1089, 5233
ornamentals 444, 1099, 4094, 4099
periodicals 2624
Pinus strobus 175
Pinus taeda 5315
Plagiodera versicolora 5707
planting stock 2166
private forestry 705, 1120, 1125, 1543, 3293, 6245
provenance trials 3349, 5315
quarantine 3898
remote sensing 4149
research 635, 636, 2109, 5010
bibliographies 2054
rural economy 1077
seed, seed orchards 2138
silviculture 703, 704, 705, 1126
site class assessment 6218
soil conservation 1472
species trials 3357
street trees 1491, 1503
subsidies 6245
taxation 34, 3335, 5831, 6243, 6244
tree breeding 5010
Ulmus 6009
urban and suburban forestry 1491, 5010, 5219
vegetation types 1507
volume tables 6387
water conservation 1472
weed control 6346, 6350, 6351
wilderness 2026, 2620
wildlife 199, 545
USA *contd.*
wilts 3085, 3895
yield regulation 4316, 5253, 5946
USSR
air pollution 4920
bark beetles 6128
Betula 4599
choice of species 6265
climatology 2492, 2724
dams 4031
economics 1101
exotics 50
floodplains 3446, 4031
forest management 4317
forest policy 1528
forest resources 1101
forest statistics 2085
forestry 1528
fungus diseases 1418
hydrology 5165
insect pests 3, 3918, 5678
Ips typographus 6447
Larix 916
Larix sibirica 127
machines 4280
Malus 6054
Melolontha hippocastani 5716
Phacidium infestans 2492
Picea abies 6273
Picea × *fennica* 6273
Picea obovata 6273
Pinaceae 6027
Pinus 2370
planting stock 70
ploughing 3508, 3509
provenance trials 5860, 6267, 6273
Pseudotsuga menziesii 6265
Quercus 4031
remote sensing 5425
resins 916
seed
production 51
seed orchards 52
shelterbelts 2009, 6786
shrubs 2366
soil types 2906
species trials 2724, 2725
Tamarix 70
thermal relations of plants 6531
thinning 3482
Tortrix viridana 6114
tree breeding 390, 5326, 5591
Ulmus 3918
vegetation 1110
vegetation types 5811
Verticillium dahliae 2481
wilts 6091
Utah
Atriplex canescens 6764
browse 3209, 3217, 5741, 6757
controlled burning 6468
deer 5741
dendrochronology 3265
fire 314
forest fires 1302, 3265
grazing 311, 539, 3209, 6468, 6552, 6757
history 1302, 3265
nutrient cycles 314
Populus tremuloides 3429
soil water 6468
succession 6552
vegetation types 6468
Uttar Pradesh
Acacia nilotica 2861
air pollution 288, 301
Asphondylia phyllanthi 3976
biomass production 803, 1687, 2721, 2845, 2850
birds 1985
Buchanania lanzan 3507
decay fungi 407
deforestation 4145
Eucalyptus globulus 4883
forest litter 2909, 2941
fuel plantations 2711
grazing 3221
insect pests 1463, 2545
Leucaena leucocephala 4250
minor forest products 2230
mistletoes 3915
nematodes 3979
nursery management 2721, 4696
nutrient cycles 2941

Uttar Pradesh *contd.*
Pinus caribaea 2800
plantations 3715
provenance trials 2721, 2723
remote sensing 5954
Shorea robusta 6523
soil chemistry 2909
soil types 221, 3616, 3715
soils 2313, 2903, 2966
species trials 4250
succession 221, 2313
synecology 4443
Syzygium cumini 4313
tree breeding 3065, 3067
vegetation types 2909, 4443
vegetative propagation 3381
wind damage 4340
yield tables 2273
Uzbek SSR
Lymantria dispar 4516
vegetation, zoning 6064
Vaccinium 312, 3404, 3684, 6374, 6513
Vaccinium corymbosum 2231
Vaccinium myrtillus 231, 926, 2928, 5009, 6165
Vaccinium parvifolium 3475
Vaccinium uliginosum 231, 6573
Vaccinium vitis-idaea 231, 5569, 5995, 6532
Valentinia glanduella 1421
Valsa kunzei 5617
Valsa sordida 472, 4479, 5039, 6667
Valuation 2884
computer techniques 5956
forests 3335, 4856, 4857, 4858, 4859, 5956, 6442
land 3335, 4093, 5788, 6183
trees 2033, 4085, 4093, 4588
books 3281
Vanapa oberthuri 1941
Vateria indica 165, 773
Vatica odorata 5890
Vegetation 6785
books 1110, 4608, 4993
classification 1879, 2433, 4139
books 2636
computer techniques 2437
conferences 4627
degradation 1280, 2347, 3024, 3795, 4111, 4608
history 921, 1341, 1342, 1349, 1869, 2431, 2703, 2918, 3029, 3795, 4604, 4997, 5560, 6058
methodology 533
surveys 2437, 3815, 3829, 4069, 4985, 5006
Washington 3795
zoning 1880, 1883, 2433, 2893, 3802, 6064
Vegetation types 4350
Abu Dhabi 2436
Alaska 2663, 4361
Argentina 3549
arid regions 5723
Australia 588
Belgium 6568
Belize 3665
Bermuda 6570
bogs 1881, 2037, 3813
books 588, 1111, 2037, 2627, 2645, 4127, 4607, 5811
boreal forest 884, 1733, 1891, 1908, 3655, 4608, 4917, 5038, 6515, 6532
bottomland forest 381, 4066, 4072, 6193
Brazil 5566
broadleaved deciduous forest 4608
temperate zones 926, 1360, 2437, 3706, 3815, 4895, 4896, 4999, 5009, 5022, 5155, 5457, 5649, 6065, 6066, 6070, 6316, 6398, 6461, 6559, 6566, 6572, 6778
tropics 925, 3796, 4443, 4885
broadleaved evergreen forest
temperate zones 1360, 5627, 5897
tropics 925, 1892, 1893, 1894, 3647, 5003, 5004, 6482, 6554
Bulgaria 2919
caatinga 3822
California 2442, 2443, 2663, 3666, 4115, 4116, 6625
campina 3822
Canada 2037
Vegetation types *contd.*
cerrado 924, 1058, 3644, 3723, 3822, 5027, 5566
chaparral 246, 1111, 1195, 1288, 1291, 1325, 1354, 1359, 1364, 1876, 2442, 2443, 6520
Chile 2442, 3668
China 1880, 1881
classification 588, 2441, 3034, 3805, 3806, 3807, 3809, 5002
coastal plant communities 227, 3833
conferences 2062
coniferous forest
temperate zones 185, 232, 442, 926, 1360, 2037, 2437, 3036, 3815, 4896, 4990, 5009, 5022, 5155, 5457
tropics 3796, 3832
desert 1292, 1363, 5565
Dominican Republic 2099
Finland 1713
forest steppes 232, 3036
fynbos 1362, 1363, 4390, 6420
garrigue 1222, 1291, 1296, 1325, 1345, 1358, 1489
German Democratic Republic 2087
German Federal Republic 5845, 6567
grasslands 803, 1296, 3647, 3822, 3826, 4608, 6063
Gujarat 2440
heathland 1111, 1296, 1357, 1919, 2928, 4945, 5005
Hong Kong 4891
Honshu 2840, 3818, 5975, 5976, 6155
Idaho 2441, 6760
Indonesia 4537, 6063, 6213
Ireland 5791
Israel 2443, 6067
Ivory Coast 2095
Japan 6571
Karnataka 2262
Kazakh SSR 3036
Lake States (USA) 2037
Malaya 4719, 5003
mallee 1111, 1325, 1361
mangrove forests 588, 3796, 4435, 4440, 4441, 4442, 4719, 4991
maquis 1111, 1197, 1217, 1291, 1332, 1358, 1489, 2443, 2854, 4079, 6067
matorral 246, 1111, 1195, 1291, 1325, 1358, 1360, 1364, 1423, 2442, 2443, 3668
methodology 1888, 2255
Mexico 2296, 3272
Netherlands 5554
New Jersey 2972, 5000
New Zealand 4990, 6068
Nigeria 6563
North America 3034
North Brazil 3667
North Carolina 2062
Northern India 5001
Norway 2435
Ohio 6572
Oregon 2439, 2663
Pacific States (USA) 2431
peatland 74, 1355, 1356, 3816
Poland 3617, 4822
Punjab 2438
Quebec 3655, 3828, 6070
rain forest 225, 327, 588, 773, 851, 1143, 1349, 1350, 1351, 1833, 1880, 1945, 2596, 2672, 2937, 3664, 3802, 4110, 4362, 4363, 4364, 4437, 4438, 4439, 4537, 5007, 5089, 5262, 5451, 5556, 5627, 5634, 6063, 6412, 6457, 6481
reviews 1363
riparian forests 924, 2130, 2663, 3232, 3658, 5566, 5634, 5746
Rwanda 2098
Ryukyus 5972, 5975
Sarawak 4991
Saudi Arabia 5277
savanna woodlands 1917, 2645, 3232, 3294, 3821, 3822, 3826, 4150
savannas 221, 803, 924, 1216, 1360, 2255, 2256, 2645, 3035, 3294, 3558, 3624, 3631, 3647, 3648, 3663, 3673, 3723, 3724, 3765, 3788, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 4006, 4531, 4607, 4608, 5723, 6154, 6483
sclerophyllous forest 3802, 3823, 6486
sclerophyllous scrub 1111, 1362, 3702
Scotland 5008
Vegetation types *contd.*
scrub 924, 1296, 1325, 1358, 1362, 1363, 1874, 1875, 2840, 3826, 4891
Shikoku 4571
South Africa 4390, 4531
South America 3663, 4127
South Dakota 6762
South Western States (USA) 2296
Sri Lanka 5556
steppes 1880, 3036, 5429
subalpine forest 1806, 5560, 6168
swamps 847, 924, 2627, 4890, 5000
taiga 97, 884, 2849
Tamil Nadu 3831
Tennessee 1888
Texas 4005
Thailand 3638, 4120
thicket 3823
tropical zones 1216, 1880, 3802, 4398, 4607, 4608, 5007
Tropics 3279, 5262
tundra 1891, 3655, 4361, 5666
United Arab Emirates 4442
United Kingdom 2636
Venezuela 3664
West Africa 2652
Western Australia 5486
wetlands 562, 588, 1477, 2062, 6194
Wyoming 6762
Vegetative propagation 2444, 5834
air layering 2738, 3386, 4227
bud culture 73, 5248
budding 1566, 2147, 3381
clones 928, 1576, 3385, 5572, 6079
conferences 5248, 6222
economics 4214
embryo culture 4216, 5248
equipment 1580, 4227
grafting 69, 355, 1566, 2118, 2141, 2495, 2758, 3381, 3384, 4215, 4217, 4699, 5335, 5338, 5339, 6079, 6304
layering 6304, 6305
root cuttings 1566, 3387
rootstocks 6074
shoot cuttings 72, 1580, 6299
Abies 2760, 3380, 4703
Acer 5875, 5876, 6298, 6300, 6306
Alnus 2734
Anisoptera 4701
Betula 2734
Chamaecyparis 3382, 5340, 6303
Cryptomeria 1825, 3384, 4767, 5341
Dalbergia 2739
Eucalyptus 5334, 5587
Fagus 6297
Gmelina 1573, 4701
Hibiscus 5334
Juniperus 2143
Ligustrum 5599
Picea 71, 2143, 2453, 4214, 5013, 5874
Pinus 66, 1577, 1579, 1905, 2974, 2994, 3383, 4702, 4704
Platanus 1579, 2142, 4702
Populus 65, 68, 1153, 2143, 4039, 4213, 5018, 5334, 5336, 5886
Prosopis 2737
Pseudotsuga 1579, 4702
Quercus 6297, 6300
Salix 4399, 5334
Salvia 2144
Santalum 1566
Sequoia 1578, 1579, 4702
Sequoiadendron 2145
Shorea 4701
Tamarix 70
Taxus 681, 6298
Tilia 6300
Triplochiton 680
Wrightia 4218
tissue culture 67, 1567, 1568, 5248, 6301
Abies 6302
Alnus 3388
Araucaria 2146
bibliographies 2055
Eucalyptus 2736, 5337, 5877
Eucommia 1569
Juglans 1565
Larix 4700
Leucaena 4216
Picea 6302
Pinus 1154, 1575, 2735, 2740, 6302
Platanus 2740

Vegetative propagation *contd.*
tissue culture *contd.*
Populus 1571, 1572, 2547, 2740, 4705, 5872, 6088
Pseudotsuga 2740, 6302
reviews 3379
Sepium 4216
Tectona 1570
Ulmus 2740, 5333
Venezuela
bibliographies 6216
Erythroxylum 3013
nitrogen cycle 3664
nutrient cycles 851, 6455, 6482
Rubiaceae 2424
succession 5496, 6554
Tectona grandis 5412
vegetation types 851, 3664, 3724, 6482
Ventilago maderaspatana 983
Verbena bonariensis 3742
Verbena hispida 3742
Verbena officinalis 3742
Verbena stricta 3742
Verbenaceae 3742
Vermont
forest inventories 4324
Gremmeniella abietina 3898
insect pests 3944
Verticicladiella 5606, 6636, 6643
Verticicladiella abietina 5606
Verticicladiella procera 6496, 6636
Verticicladiella serpens 6496
Verticicladiella truncata 6636
Verticicladiella wageneri 5046, 5606
Verticillium albo-atrum 3086, 5603
Verticillium dahliae 2481, 3897, 5608
Veteran or remarkable trees 4193
Vibration 4632
Viburnum awabuki 4424
Viburnum cassanoides 3684
Viburnum dilatatum 4096
Viburnum lantana 2606
Viburnum opulus 1279, 3962, 4049, 4096
Victoria
Armillaria luteobubalina 6437
biomass production 3409
Casuarina 4462
diseases of trees 1500, 3912
Eucalyptus obliqua 6484, 6485
Eucalyptus saxatilis 2411
fertilizers 3409, 4254
herbicide application, phytotoxicity 114
Phytophthora cinnamomi 1397
Pinus radiata 4869
plantations 4731
remote sensing 6437
site preparation 4254
soil types 2944, 3677
thinning 4757, 4759
tree breeding 2944, 3677
vegetation types 1361
wind damage 4869
Vietnam
agroforestry 6184
Pandanus 6051
seed, seed sources 2728
stand characteristics 3535
Viguiera stenoloba 1974
Vines (*see* Climbers)
Virgilia divaricata 5863
Virgilia oroboides 4191, 5863
Virgilia oroboides ferruginea 5863
Virgin forest 2245, 2430, 3317, 4067, 5557, 6399
books 3282
Virginia
air pollution 2955, 4934, 6496
diseases of trees 1389
forest litter 847
fungus diseases 6496
insect pests 6496
land reclamation 5775
Meloidogyne platani 1456
mining wastelands 5775
nursery management 1389, 2785
Phytophthora cinnamomi 6644
remote sensing 4934
soils 4890
synecology 3781
thinning 3308
vegetation types 847, 4890
Virola 2117, 2163
Virola dixonii 2116, 2117, 2163
Virola reidii 2116, 2117
Virola surinamensis 1833
Virus diseases of fungi 4478
Virus diseases of insects 496, 988, 1039, 1458, 2559, 3189, 3198, 4520, 5135, 5138, 5701, 5702, 5714, 5722, 6110, 6142, 6152, 6727, 6729, 6738, 6739
Virus diseases of trees 477, 3872, 6230
leaf roll virus 2495
mosaic 476, 5081
necrosis virus 2494
witches' brooms 476, 5081
Viscaceae 3014
Viscum album 3113
Vitamins 903, 2384
Vitex negundo 3742
Vitex trifolia 3742
Vitis amurensis 2032, 2733
Vochysia maguirei 2425
Vochysia stafleui 2425
Volcanoes 2988, 4240, 5489, 6108, 6224, 6511
Voles 1063, 1469, 1746, 1983, 1987, 1990, 3233, 4211, 5161, 5739, 6156, 6159, 6160, 6161
Volume determination 4803, 5940
by remote sensing 206
computer techniques 2821, 2828, 5397
equations 190, 775, 778, 779, 784, 1198, 2249, 2820, 2828, 2832, 3537, 3538, 3568, 3570, 3573, 4300, 4304, 5397, 5922, 6381, 6382
estimation 1711, 1712, 2249, 2674, 2820, 2821, 2827, 2873, 5402, 5403, 5413, 5922, 6381, 6382, 6429, 6440
merchantable volume 190, 775, 778, 779, 784, 812, 1198, 1688, 2827, 2828, 3573, 5397, 6395
simulation 6440
statistical methods 5402, 6360, 6382
theoretical aspects 162, 170, 3538, 5397
Volume tables 145, 165, 166, 167, 171, 779, 780, 781, 782, 783, 784, 1320, 1682, 2252, 2674, 2818, 2829, 2830, 2831, 4300, 4303, 4306, 5397, 5406, 6384, 6385, 6386, 6387, 6388, 6389, 6390, 6391, 6392
Vulpes vulpes 3233
Wadell scarifier 1621
Wages 4186
Wales
air pollution 4921
birds 3234, 4545
Cephalcia lariciphila 4517
genetics 929
Gilpinia hercyniae 5714, 6739
Heterobasidion annosum 3080
history 46
Picea sitchensis 4257, 4921
private forestry 5236, 5237
species trials 46
virus diseases of insects 6739
Wapiti (*see Cervus*)
Washington
Abies procera 4687
acid rain 6490
biomass production 945, 3562
browse 5732
Choristoneura occidentalis 989, 990, 995, 2512
deer 5732
erosion 4041
fertilizers 2753, 2754, 4708
insect pests 4687
land reclamation 5769
mining wastelands 3713, 4047
mycorrhizas 945, 2765
natural regeneration 2765, 3027
nursery management 5888
nutrient cycles 945, 4913
palaeoecology 3795
provenance trials 3838
Pseudotsuga menziesii 4744
seed, production 59
site preparation 6333
soil chemistry 6490
soil fertility 3632
succession 3027
synecology 3027
thinning 4744, 5377
vegetation 3795
volcanoes 2988, 6224, 6511
Washingtonia robusta 467
Water composition and quality 654, 854, 855, 1066, 1067, 1068, 1762, 1997, 1999, 2337, 2592, 2603, 2627, 2745, 2746, 3242, 4376, 4551, 4553, 4946, 5756, 6493, 6774, 6775, 6776, 6779
conferences 4386, 4387
economics 1065
effect of logging 1065, 3461, 3683, 3707
methodology 3704, 3707
nitrogen 2002, 4030, 5879
research 1472
Water conservation 834, 1472, 2680, 5162
Water pollution 1070, 1226, 2603, 3695, 3704, 3707, 4030, 4055, 4928, 4929, 4930, 5698
Water table (*see* Groundwater)
Watering (*see* Irrigation; Nursery management, irrigation)
Waterlogging 4033, 4904
Watersheds (*see* Catchment areas)
Waxes 4297, 4798, 5662
Weed control 1762, 2208, 4140, 4264, 6761
books 2630, 2631
burning 1169, 2200, 2362, 3453, 5727, 6357, 6765
by grazing 117
chemical treatment 111, 112, 113, 116, 117, 118, 120, 722, 723, 724, 725, 726, 727, 728, 729, 731, 1169, 1170, 1171, 1173, 1175, 1609, 1627, 2196, 2200, 2202, 2362, 2779, 3444, 3467, 3469, 3470, 3524, 4257, 4258, 4259, 4260, 4261, 4262, 4263, 4265, 4733, 4737, 4738, 5371, 5725, 5727, 5728, 5729, 5730, 5905, 5907, 5908, 6195, 6344, 6345, 6346, 6347, 6348, 6350, 6351, 6352, 6355
conferences 2066, 2197, 3288
economics 116, 540, 2191, 2198, 5730
equipment 6344, 6354
in plantations 113, 730, 731, 1609, 1623, 2191, 2584, 2779, 2780, 2782, 2784, 3453, 3468, 3476, 4258, 4259, 4736, 5371, 5904, 5906, 6350, 6351, 6354
machines 5920, 6354, 6371
manual weed control 2200, 4261, 5725
mechanical methods 1223, 2191, 2201, 3465, 3466, 3467, 3524, 4733, 4738, 5728, 5729, 5730, 6354, 6371
mulching 4251
reviews 1623
silviculture 2199
weed trees and shrubs 110, 111, 112, 113, 115, 116, 117, 118, 119, 120, 534, 538, 540, 722, 723, 724, 725, 728, 729, 1170, 1622, 2185, 2194, 2195, 2362, 2778, 2780, 2781, 2783, 3216, 3221, 3288, 3466, 3467, 3469, 3470, 3472, 3473, 3475, 4261, 4262, 4265, 4733, 4734, 4735, 4736, 4737, 4741, 5372, 5725, 5726, 5727, 5728, 5729, 5730, 6195, 6334, 6342, 6343, 6345, 6346, 6347, 6355, 6371, 6763, 6765
work studies 4672
Weeds 63, 2065, 2115, 2192, 2193, 2267, 2589, 2590, 5906, 6230, 6352, 6761
Weight determination 2842, 3526, 3530, 4819, 5403, 5417
Weight tables 145, 1768, 3546, 4303, 5947, 6378, 6388, 6404
Weinmannia racemosa 4978, 5552
West Africa
biomass production 3558
flora 5550
land use 3249
nature conservation 3798
nitrogen cycle 2652
Placodiscus 359
rural economy 3249
Triplochiton scleroxylon 3798
vegetation 2645
vegetation types 2652
West Bengal
Anthocephalus chinensis 4779
Cryptomeria japonica 2862
Leguminosae 366
Pinus patula 166
soil types 221
succession 221
synecology 3803
volume tables 166
West Coast (USA)
acid rain 5476

West Coast (USA) *contd.*
deforestation 4145
Libocedrus decurrens 5324
seed, collection 5324
Sequoiadendron giganteum 5324
West Virginia
biomass production 1688, 3561, 3563
coppice 5378
diseases of trees 969
fertilizer application 2001
floods 4033
forest litter 5444
mining wastelands 560, 3247
provenance trials 2122, 3356, 5300
pruning 5378
silvicultural systems 3428
site class assessment 3556, 3561
soil types 560
thinning 5378
weed control 3469
wildlife 4021
Western Australia
Banksia 2499
birds 4541
Endothia havanensis 966
erosion 4440
Eucalyptus 966
evapotranspiration 6470
groundwater 6470
insect pests 2499
land use 4605
mangroves 4440
mycorrhizas 2469
natural regeneration 6553
nitrogen fixation 3877
Perthida glyphopa 6698
Phytophthora cinnamomi 3083, 6641
shrubs 3877
vegetation types 4440, 5486
Western Europe
flora 2038
Reticulitermes lucifugus 5636
Western States (USA)
Atriplex 2576
biological control 5623
biomass production 1549
browse 2576
economics 1479
forest management 837
grazing 1549
information services 1479
insect pests 6749
land use 1479
mycorrhizas 4459
natural regeneration 714, 2178
nature conservation 3229
nursery management 1157
Orgyia pseudotsugata 3982
Pinus contorta 2251
research 643
silviculture 709, 710, 837
stand characteristics 709, 710, 802
street trees 3982
wildlife 3229
yield regulation 711, 802
Wetwood 4980
Widdringtonia nodiflora 4390
Wild boar (*see* Pigs)
Wilderness 1094, 1489, 2026, 2439, 2620, 4582 (*see also* Nature conservation)
books 2617
Wildlife 3218
bibliographies 4132
biology 1464, 4544, 6164
books 4124
conferences 658, 2059, 4150
conservation 199, 545, 571, 577, 658, 1090, 3229, 4017, 4018, 4019, 4630, 5153, 5734
Capricornis 6155
reviews 4578
control 1061, 1994, 3223, 4211, 5161, 5256, 6743
damage by 546, 547, 549, 1061, 1323, 1610, 1829, 1990, 1991, 1992, 2582, 2591, 2680, 3223, 3227, 3235, 4012, 4013, 4016, 4017, 4018, 4140, 4534, 4535, 4562, 5157, 5158, 5364, 6166, 6168, 6215, 6766
ecology 544, 658, 1464, 2586, 2589, 2590, 3823, 3827, 4019, 4537, 4548, 5740, 6766
Bovidae 4544
Wildlife *contd.*
ecology *contd.*
Capricornis 6155
Cervidae 2042
Lepus 5158
economics 834, 3223
effect of fires 4141, 4144
effect of forestry practices 1992, 3491, 4132, 5149, 5151, 6317, 6768
effect of pesticides 1469
management 2587, 2591, 2605, 3038, 3226, 3229, 4007, 4018, 4021, 4025, 4150, 5153, 5793, 6164, 6772
research 2112
simulation 4006
statistical methods 2059
use as food 5153
Wilts 965, 1400, 1418, 2481, 3085, 3086, 3166, 3895, 3896, 3897, 4510, 4511, 5060, 5061, 5120, 5131, 5246, 5608, 5609, 5611, 5612, 6091, 6649, 6651, 6654, 6676
Wind
effect of forests 3608, 4384, 6510
effect of shelterbelts 2007, 3243, 3244, 4045, 4384
effect of topography 5957
effect on growth 872, 3612
effect on pests 6697
relation to fires 2353, 3716
resistance to 2312, 2978
statistical methods 5957
Wind damage 1736, 2311, 2658, 4643, 5960
defects in wood 220, 5437
effect on soils 4341, 4342, 4352, 5557
history 4345
protection against 126, 219, 2899, 2900, 4045, 4868, 6314
rehabilitation 219, 2570
relation to site factors 2899, 2900, 3532, 4340, 4341, 4342, 4343, 4875, 6314
reviews 6314
Windbreaks (*see* Shelterbelts)
Winter hardiness (*see* Frost resistance)
Winter injury (*see* Frost injury)
Wisconsin
Choristoneura fumiferana 530, 3992
Chrysomela scripta 2547
Dioryctria resinosella 6695
diseases of trees 3098
energy resources 3344
forest inventories 824
forest statistics 823
hybridization 2453
hybrids 2128
insect pests 3929
Larix laricina 668
mycorrhizas 5593
natural regeneration 3431
Neodiprion lecontei 1450
Neodiprion sertifer 2559
Populus 823
provenance trials 668
Quercus 1928
silvicultural systems 3431
tree breeding 933, 3365
wilts 1928
Witches' brooms 476, 480, 481, 485, 493, 974, 3913, 5085
Wood anatomy 3732, 3733
Abies sachalinensis 6015, 6019, 6020, 6021
abnormalities 1328, 6232
Acacia nilotica 3743
Alnus glutinosa 6525
Antrophora 1795
Auxemma 6007
Belliolum 2991
Betula nana 6008
Betula pendula 1791, 6008
Betula pubescens 1791, 6008
Betula tortuosa 6008
Bocconia vulcanica 6005
books 2635, 4603
Boraginaceae 1795, 6007
Castanea crenata 4960, 4961
cell walls 1327, 3739, 4962, 6014, 6020, 6028
Celtis laevigata 6009
Celtis occidentalis 6009
Celtis reticulata 6009
Cocos nucifera 6013
conferences 3738, 5827
Wood anatomy *contd.*
Coniferae 4965
Cordia 6007
Cordioideae 6007
Cryptomeria japonica 2834, 2982, 2983, 2984, 3741, 4404, 4966
Dacrydium cupressinum 1793
Daphniphyllum 329
differentiation 1326, 1569, 3741, 3764, 3767, 4956, 4957, 5517, 5518, 5999, 6019, 6020, 6021
Ducampopinus krempfii 5544
effect of environment 5992, 6006
Eglerodendron pariry 5506
Englerella 5509
Eremoluma 5514
Eucalyptus 1328
Eucalyptus grandis 5485
Fagus sylvatica 2373
fibres 897, 3384, 5503, 6001, 6002, 6525
Franchetella 5514
Fraxinus americana 937
Gymnospermae 5522
identification 6004
intercellular spaces 5521
Jasminum 4408
Juglans nigra 3767
Labatia 5505
Larix leptolepis 4956, 5517, 5518, 6000
Leguminosae 6004
Lepidocordia 1795
Leucaena leucocephala 6528
methodology 1326, 1327, 3741, 4404, 4964, 5504, 5518, 6012, 6019, 6020, 6021
Miconia candolleana 888
Ouratea nitida 896
parenchyma 1793, 4965, 5999, 6014, 6015
Patagonula 6007
phloem 1793
phylogeny 5522, 6006
Picea glauca 5515
Picea jezoensis 2981, 6028
Pinus banksiana 5999, 6014
Pinus bungeana 5999
Pinus contorta 841
Pinus densiflora 4966, 5521, 5999
Pinus krempfii 5544
Pinus luchuensis 5532
Pinus mugo 5992
Pinus radiata 4128, 5437, 5504
Pinus rigida 5999
Pinus strobus 5999
Pinus strobus chiapensis 5020
Piresodendron 5510
pits 1794, 3742, 6009
Populus 1616
pore size 5503
Pouteria 6018
Prosopis spicigera 3743
Pseudocladia 5507
Pseudowintera 1794
Pteleocarpa 1795
Radlkoferella 5508
rays 1328, 4965, 5999, 6008, 6014, 6015
relation to diseases 484, 1396, 1966
relation to grafting 3384
relation to growth factors 330, 868, 872, 895, 897, 2373, 2961, 2982, 2983, 2984, 3712, 3745, 4128, 4944, 4966, 5020, 5437, 5485, 5503, 6525
relation to physiology 1510, 2386, 5532
relation to wood properties 2981, 5437, 5532, 6013
research 3738
resin canals 6000, 6011, 6232
Richardella 5508
sampling techniques 895
Sapotaceae 5505, 5506, 5507, 5508, 5509, 5510, 5511, 5512, 5513, 5514, 6018
Sophora moorcroftiana 1754
Sterculia urens 330
Syzygiopsis 5512
Tambourissa 1781
taxonomy 329, 1781, 1795, 1796, 2991, 5505, 5506, 5507, 5508, 5509, 5510, 5512, 5513, 5514, 5544, 6007, 6018
Tilia platyphyllos 3739
tracheids 3384, 4404, 4966, 5020, 5521, 5522, 6015, 6020, 6021
Tsuga heterophylla 2348
tyloses 4960, 4961

Wood anatomy *contd.*
Ulmus alata 6009
Ulmus americana 3740, 6009
Ulmus thomasii 6009
Uncarina leandrii 3744
Urbanella 5513
variations 841, 895, 897, 937, 1616, 2348, 3743, 4128, 6001, 6006
Verbenaceae 3742
vessels 1327, 3743, 4962, 6002, 6006, 6012
xylem 3741, 3743, 6019
Wood borers
attractants 6130
decenyl acetate 5645
dodecenyl acetate 5645
ethanol 1955, 2565, 3983, 5133, 5688
lineatin 2549, 2565, 2571, 3983, 3991, 5134, 5667, 5713, 6720
monoterpenes 1955
pinene 2565, 3983
sulcatol 2565
bibliographies 511
biology 511, 5119, 6129
books 3268
control 511, 520
damage by 3961, 5116
distribution 2541, 5661, 5666, 6133
ecology 511, 520, 5666, 5668, 6133
fungi with 5677
host relations 3173, 3174, 5664, 5665
insects with 5665
introduced species 3960, 6129, 6701
methodology 511
physiology 5677, 6706
population dynamics 3161, 3958
reviews 513
spread 5631
taxonomy 6133
trapping 2549, 2571, 3990, 3991, 5133, 5134, 5688, 5700
Wood chemistry
Betula alba 3858
extractives 870, 1191, 1958, 5524, 5528, 5529
hemicelluloses 5545
juvabiones 5524
Larix leptolepis 5528, 5529
phenolic compounds 5528, 5529
relation to growth factors 869, 870, 1191, 2351, 2961, 3858
terpenes and terpenoids 1958
Wood properties
Abies sachalinensis 5929, 5930, 5931
effect of aging 6505
Eucalyptus grandis 5485
Pinus caribaea 5243
Pinus radiata 4128, 5484
Pinus sylvestris 6505
relation to growth factors 4128, 4380, 4941, 5484, 5485, 5929, 5930, 5931
variations 4128
Work studies 38, 124, 2692, 2693, 4155
conferences 4632
felling 4754, 4756
fruit 6374
labour 4672
thinning 4266, 4754, 4756, 4758, 4759, 4760, 4761
weed control 4672
Working plans 819, 4318, 4319, 4833
Wounds 1334, 1396, 4372, 4980, 5221, 5222, 6675 (*see also* Decay in trees, role of wounds; Root and butt rots, role of wounds)
healing 1670
Wrightia tinctoria 3886, 4218
Wyoming
Arceuthobium americanum 5067
Cronartium comandrae 5067
fire danger 5422
forest fires 1284
grazing 2427, 6756, 6762
history 1284
hydrology 233
land reclamation 6756
mining wastelands 6756
natural regeneration 2427
succession 233
synecology 1873
vegetation types 1284, 6762
X-rays (*see* Ionizing radiation)
Xanthoceras sorbifolia 1667, 1668
Xanthogaleruca luteola 4000, 5710
Xenorhabdus nematophilus 5137
Xiphinema bakeri 5683
Xiphydria prolongata 6091
Xyleborus 520
Xyleborus morigerus 4504
Xyleborus saxeseni 1940
Xylophrurus 5136
Xylosandrus 6133
Xylosandrus germanus 1957
Xyloterus domesticus 2549, 2568, 5134, 5667, 5713
Xyloterus lineatus 2549, 2565, 2568, 2571, 3983, 3990, 3991, 4140, 5133, 5134, 5667, 5700, 5713, 6720
Xyloterus signatus 2549, 5134, 5667, 5713
Yield forecasting 191, 195, 617, 788, 805, 807, 810, 811, 1701, 3563, 4318, 4319
Abies 1629, 1702, 4314, 5939
Bulgaria 6401
computer techniques 193, 1705, 2271, 2272, 4324, 6422
Fagus 6398, 6401
Picea 6422
Pinus 3571, 3573, 4710
Pseudotsuga 2215
Quercus 6401
simulation 806, 1716, 3566, 4710, 4827, 5411, 5418, 5939, 5946
statistical methods 3571
systems analysis 138
Syzygium 4313
Yield regulation 97, 155, 645, 711, 717, 769, 770, 801, 802, 814, 820, 1725, 2282, 2855, 2856, 3579, 4316, 4318, 4319, 4633, 5253, 5945, 5946, 6360
Abies 1629, 1702
books 5229
Chamaecyparis 5909
computer techniques 2272, 3542, 4828, 5945
Fraxinus 3425
Picea 2849
Pinus 1636, 1706, 2858
simulation 4828, 5946
Syzygium 4313
Yield tables 155, 192, 808, 5944
Acacia catechu 2273
Acacia nilotica 2861
Anogeissus latifolia 2860
Anogeissus pendula 2860
Bombax malabaricum 2860
computer techniques 5419
Cryptomeria japonica 2862, 5419
Eucalyptus camaldulensis 1199
Eucalyptus paniculata 2275
Eucalyptus saligna 2275
Fagus sylvatica 1320
history 6421
Holoptelea integrifolia 2860
Kydia calycina 2860
methodology 3567
Picea abies 1693, 2282, 5836, 5949
Pinus echinata 813
Pinus elliottii 813
Pinus nigra 5948
Pinus palustris 813
Pinus patula 815, 2274
Pinus 'Southern' 813
Pinus sylvestris 1693, 3572, 5949
Pinus taeda 813, 6423, 6424
Populus 2857
statistical methods 2860, 2861, 2862
Yponomeuta evonymellus 2521
Yponomeuta padellus 501, 5098
Yucca constricta 6761
Yucca filifera 4287
Yucca glauca 6761
Yugoslavia
Abies alba 4770
Ceratocystis ulmi 6649
insect pests 3116
Pseudaulacaspis pentagona 6681
seed, pests 3116
tree breeding 385, 931
Yukon
diseases of trees 3923
insect pests 3923
Zaire
agroforestry 4631
deforestation 3256
education 5290
training 5290
Zambia
Eucalyptus grandis 5587
forestry 5829
Phoracantha 6129
provenance trials 4198
tree breeding 5587
Zanthoxylum tachuelo 2116, 2117, 2163
Zeiraphera canadensis 2497
Zeiraphera diniana 497, 527, 994, 3131, 5145, 5644, 5656, 6124
Zeiraphera hesperiana 1005
Zeiraphera insertana 3200
Zeiraphera ratzeburgiana 5145
Zeiraphera rufimitrana 5145
Zelkova serrata 1494, 1574, 5611
Zhejiang, *Crinocraspeda inexperta* 5653
Zimbabwe
agroforestry 4631
biological control 6146
biomass production 3232
diseases, roots 3894
Eucalyptus 4777
fuels 4777
insect pests 6146
remote sensing 4852
soil types 4348
vegetation types 3232, 4348
Ziziphus incurva 4789
Ziziphus jujuba 803, 1552
Ziziphus mauritiana 4199, 4789, 5499
Ziziphus nummularia 4419
Ziziphus obtusifolia 538, 6763
Ziziphus spina-christi 1539
Zonotrichia albicollis 5699
Zoophthora radicans 3154
Zootermopsis 6100
Zygophyllum eurypterum 2639

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